

University of Wollongong

**UNDERGRADUATE
HANDBOOK 2007**

CALENDAR SERIES
VOLUME 1

Contents

About this Handbook	iv
---------------------------	----

Course and Subject Information Online.....	iv
--	----

Course and Subject Information by Faculty

Faculty of Arts	1
------------------------------	----------

Undergraduate Courses	1
Subject descriptions	52

Faculty of Commerce	98
----------------------------------	-----------

Undergraduate Courses	98
Subject descriptions	120

Faculty of Creative Arts	146
---------------------------------------	------------

Undergraduate Courses	146
Subject descriptions	168

Faculty of Education	188
-----------------------------------	------------

Undergraduate Courses	188
Subject descriptions	208

Faculty of Engineering	239
-------------------------------------	------------

Undergraduate Courses	239
Subject descriptions	281

Faculty of Health & Behavioural Sciences	305
---	------------

Undergraduate Courses	305
Subject descriptions	355

Faculty of Informatics	375
-------------------------------------	------------

Undergraduate Courses	375
Subject descriptions	461

Faculty of Law.....	493
----------------------------	------------

Undergraduate Courses	493
Subject descriptions	525

Faculty of Science	541
---------------------------------	------------

Undergraduate Courses	541
Subject descriptions	587

About this Handbook

Course and Subject information is provided under separate Faculty chapters.

Course information includes: Faculty; campus; course code; duration; total credit points; mode of delivery; course description; course program; entry requirements; advanced standing; and information about honours.

Subject information includes: subject description; subject code; credit points; session of offer; campus; and pre-requisites.

For information on the **Rules and Policies** of the University which govern many aspects of study and other activities at the University, please see the Calendar of Governance, Rules and Policy.

More Course and Subject Information Online

The University website (www.uow.edu.au) contains comprehensive information for prospective and current students. Course and subject information online is more detailed and current than the information contained in this Handbook because it is updated regularly throughout the year.

The Course Finder Database

The primary source of information for prospective students, the CourseFinder database provides additional information than that contained in this Handbook, including information about employment opportunities, the UAI required for entry, language requirements, scholarships etc. The CourseFinder database can be assessed online at www.uow.edu.au/prospective/.

Course Information

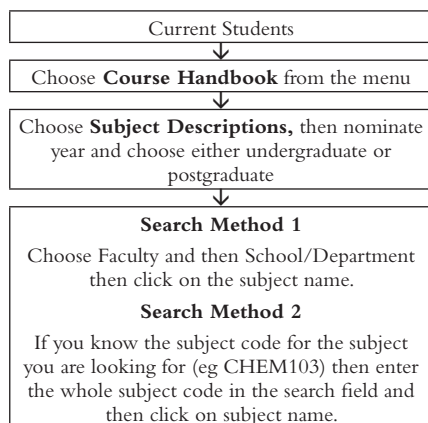
The primary source of information for current students, the online Course Handbook 2007 can be assessed at www.uow.edu.au/handbook/ or via the Current Students homepage at www.uow.edu.au/student/.

This online version provides more detailed information about how to design your program of study, as well as current information on course rules and policies. You can also access detailed subject descriptions through this web page.

Subject Database

The online subject database contains more detailed information about individual subjects. Additional details include: subject objectives, lecturer details, co-ordinator details and textbook information. Enter via www.uow.edu.au/handbook/.

How to Find Subject Information online



Timetable Information

You can find out when your subjects have been scheduled and the teaching facility in which your class is located by searching online at www.uow.edu.au/student/timetables/.

Individual timetables are provided for each campus. In addition, you can use SOLS to nominate your tutorial and practical preferences for most subjects at www.uow.edu.au/student/tps/.

Faculty of Arts

Member Units

School of English Literatures, Philosophy and Languages

- English Literatures Program
- Modern Languages Program
- Philosophy Program

School of History and Politics

- History Program
- Politics Program

School of Social Sciences, Media and Communication

- Media and Cultural Studies Program
- Science, Technology and Society Program
- Sociology Program

[Note: The Woolyungah Indigenous Centre, which administers the Aboriginal Studies major, is an Associate Member Unit of the Faculty of Arts]

Degrees Offered

Single Degrees

Bachelor of Arts

Bachelor of Arts (Community, Culture and Environment)*

Bachelor of Arts (Dean's Scholars)

Bachelor of Arts (Honours)

Bachelor of Communication and Media Studies

Bachelor of Communication and Media Studies (Honours)

Double Degrees

Bachelor of Arts - Bachelor of Commerce

Bachelor of Arts - Bachelor of Laws

Bachelor of Creative Arts - Bachelor of Arts

Bachelor of Engineering - Bachelor of Arts

Bachelor of Science - Bachelor of Arts

Bachelor of Communication and Media Studies – Bachelor of Arts

Bachelor of Communication and Media Studies – Bachelor of Commerce

Bachelor of Communication and Media Studies – Bachelor of Creative Arts

Bachelor of Communication and Media Studies – Bachelor of Laws

Bachelor of Communication and Media Studies – Bachelor of Science

* Only available at Shoalhaven, Batemans Bay, Bega or Moss Vale

For tuition fee information please see the following:

Domestic – www.uow.edu.au/student/finances/studentcontributions.html

International – www.uow.edu.au/prospective/international/fees/

This publication contains information which is current at December 2006. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Arts

Arts	Testamur Title:	Bachelor of Arts
	Abbreviation:	BA
	Home Faculty:	Faculty of Arts
	Duration:	3 years full-time or part-time equivalent
	Total Credit Points:	144
Commerce	Delivery Mode:	Mostly face-to-face
	Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
	Location:	Wollongong
	UOW Course Code:	702
Creative Arts	UAC Code:	753101
	CRICOS Code:	000612E

Overview

A Bachelor of Arts degree is one of the traditional and most popular university degrees, though it has changed in shape and content throughout the years and from country to country. The BA today is made up of subjects with origins in the humanities; history, literature, languages and philosophy. During the nineteenth century the disciplines we now know as the social sciences developed; economics, sociology, politics, psychology, anthropology and geography. While universities package courses in a variety of ways, these and related disciplines are generally included in an Arts degree, even if they are not located in an Arts Faculty.

The Australian pattern of study for a BA has been focused on a sequence of subjects that form a major in a wider pattern of subjects, providing the student with a broader knowledge of humanities and social sciences. The major can take many forms, with the unity and coherence of the degree constructed in one of two ways. The study of a discipline can form the basis of the sequence of studies, giving students a developing set of skills in 'doing' the discipline while they acquire a set of conceptual frameworks and a body of knowledge interpreted using those frameworks. For example, within the study of 'history', students learn how to research and write history, as well as how to read what historians have thought about the past. An area of interdisciplinary studies can also form the focus of a degree. Australian Studies, Asia-Pacific Studies and Gender Studies are examples of study areas offered at the University of Wollongong. Students learn skills from several disciplines while working on a particular theme or area, for example, the history and literature of a region, or sociological, political and contextual approaches to film.

Advanced Standing

Information about Approved Credit Transfer Arrangements is available at www.uow.edu.au/handbook/advancedstanding/

Entry Requirements / Assumed Knowledge

NSW HSC entry through UAC

Students apply through UAC and satisfy the UAI requirement for the year of application.

Assumed knowledge: any two units of English.

Other Secondary Qualifications

Students with secondary qualifications outside NSW will be considered on a case-by-case basis.

Tertiary Qualifications

Applications will be considered from students with the following tertiary qualifications:

A completed two-year Diploma or Advanced Diploma from TAFE or another accredited institution;

Not less than one-sixth of a Bachelor degree from an approved university;

Other tertiary courses approved by the University of Wollongong.

Overseas Qualifications

Students with tertiary qualifications obtained overseas will be considered, provided that they satisfy University's minimum admission requirements.

Alternative Entry (Domestic applicants)

STAT test

UAP

Aboriginal and Torres Strait islander alternative entry program

Course Requirements

To qualify for award of the degree of Bachelor of Arts a student must complete a total of at least 144 credit points of subjects by satisfactory completion of subjects listed in the Course Structures of the Bachelor of Arts offered by member units of the Faculty of Arts (course code 702, 702A, 702BB, 702BE, 702SH or 702MV and other subjects as approved by the Faculty).

The 144 credit points shall include:

- for course code 702, 702A, 702BB, 702BE, 702SH or 702MV, the subjects prescribed for one of the majors listed in the Course Structures for that degree and offered by member units of the Faculty of Arts;
- not more than 60 credit points in 100-level subjects (single degree);
- For course code 702, 702A, 702BB, 702BE, 702SH or 702MV, students may undertake two major studies (known as a double major) within the requirements of the degree as prescribed by the Faculty.

For course code 702, 702A, 702BB, 702BE, 702SH or 702MV, minor studies are also available in all areas covered by the majors. A minor consists of a minimum of 28 credit points of which no more than 12 credit points at 100 level.

Students may not cross count subjects from a nominated minor into any other minor or major.

A candidate for course code 702, 702A, 702BB, 702BE, 702SH or 702MV who has registered for two major studies, for which there are common subjects at any level may count one subject twice towards the requirements of the major studies, but may only count the credit points once towards the credit points required by the course.

Arts double degree programs:

- For course codes 703, 720, 747, 771, the major study required for the Arts component of the double degree will be selected from one of the majors offered by member units of the Faculty of Arts and approved for inclusion in the Course Structures of the Bachelor of Arts (course code 702);
- include a minimum of 90 credit points taken from subjects offered by the member units of the Faculty of Arts; and
- not more than 90 credit points at 100 level.
- For course codes 704, 704E, 704F and 794, the double degree shall follow the prescriptions set by the relevant faculty.

Exception: Students majoring in Psychology or Population Health in Arts double degree programs will complete the subjects prescribed for those majors in the Course Structures of the Bachelor of Arts offered by the Faculty of Health and Behavioural Sciences (course code 708).

Major Study Areas from the Faculty of Arts

Students enrolled in the Bachelor of Arts within the Faculty of Arts must take one of these majors:

- Aboriginal Studies
- Asia-Pacific Studies
- Australian Studies
- Community, Culture and Environment*
- English Language and Linguistics
- English Literatures
- European Studies
- French
- Gender Studies
- History
- Information Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Resource and Environmental Studies
- Science, Technology and Society

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

- Sociology
 - War and Society
- *available at the Shoalhaven Campus and the Bega, Batemans Bay and Moss Vale access centres only. For details see the Bachelor of Arts (Community and Environment).

Minor Studies

Students enrolled in the Bachelor of Arts within the Faculty of Arts may choose from the following minors:

- Aboriginal Studies
- Asia-Pacific Studies
- Australian Studies
- English Language and Linguistics
- English Literatures
- Environmental Studies*
- European Studies
- French
- Gender Studies
- History
- Industrial Relations
- Information Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Resource and Environmental Studies
- Science, Technology and Society
- Sociology
- Spanish
- War and Society

*available at the Shoalhaven Campus and the Bega, Batemans Bay and Moss Vale access centres only.

Internship and International Subjects

(See subject descriptions for more information on these subjects)

- ARTS201 Introduction to Australia for International Students
- ARTS202 International Studies
- ARTS301 Arts Internship
- POL301 Politics Internship (for students taking the Australian National Internship Program or Washington Internship)

If students take a major taught by member units of the Faculty of Arts, they may take as a Secondary major any other major offered by the University provided they meet its requirements.

The more traditional second majors taken are:

- Economics
- Education
- Geography
- Legal Studies
- Management
- Marketing
- Psychology

Assessment

Assessment in this course varies between subjects and programs, but typically can include a combination of essays, tutorial/seminar presentations, WebCT exercises and, in some subjects, in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines, which students receive in the first week of session.

Honours

See separate entry for the Bachelor of Arts (Honours)

The Faculty of Arts Honours Handbook can be accessed as a PDF document at the following web address:

www.uow.edu.au/arts/current/honsb.pdf

Major Study Areas from the Faculty of Arts

Aboriginal Studies

Aboriginal Studies is an interdisciplinary major which links together ABST subjects and a number of subjects as well as offered by the Faculties of Arts, Creative Arts, Education, Health and Behavioural Sciences, Law and Science, to provide Aboriginal and non-Aboriginal students with a coherent program in the study of Aboriginal Australia.

Major Study

The major consists of three core subjects offered by the Aboriginal Education Centre together with a choice of subjects offered by participating Faculties. Students are advised to consult with the Aboriginal Education Centre about available subjects prior to enrolment.

A major in Aboriginal Studies requires the completion of a minimum of 52 credit points, consisting of at least 12 credit points at 100-level, 16 credit points at 200-level and 24 credit points at 300-level. The major must include ABST150, ABST200 and ABST300.

Double Major

A majority of the Aboriginal Studies subjects are drawn from the offerings of a number of Faculties, and it is possible for students to complete a second major. Students are encouraged to look closely at this option, particularly if they are contemplating postgraduate study.

Minor Study

A minor in Aboriginal Studies will consist of the three core subjects (ABST150, ABST200 and ABST300) and one other subject from the subjects prescribed for the major (see Study Program below). Students may not cross-count any subjects from the minor in any other minor or major study.

Study Program

Subjects	Title	Session	Credit Points
100-level			
ABST150	Introduction to Aboriginal Australia	Autumn/Spring	6
ARTS112	People and Place	Autumn	6
AUST102	Narrating the Nation	Spring	6
ENGL113	Contemporary Writing in Australia	N/O 2007	6
HIST109	Living Australia: 1800–2000	Spring	6
EESC104	The Human Environment: Problems and Change	Spring	6
PHIL151	Practical Reasoning A	Spring	6
POL141	Change and Debate in Contemporary Australian Politics	Summer 07/08	6
POP101	Population Health—current Issues and their determinants	Autumn	6
SOC103	Aspects of Australian Society	Autumn	6
VISA123	Introduction to Aboriginal Arts and Society	Autumn	6
200-level			
ABST200	Aboriginal Identities: History and Contested	Spring	8
ABST201	Redefining Eden: Indigenous Peoples and the Environment	Autumn	8
ABST202	Indigenous Self-Representation in Contemporary Texts	Autumn	8
EESC214	Discovering Down Under: A Geography of Australia	Spring	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	EESC215	Environmental Impact of Societies	Spring	8
	HIST239	A Cultural History of Water	Spring	8
	NURS240	Current Services in Aboriginal Health	Autumn	6
	NURS242	Functional Community Structures	N/O 2007	6
	PHIL206	Practical Ethics	Autumn	8
	PHIL232	Political Philosophy	N/O 2007	8
Commerce	POP201	Contemporary Population Health Issues	Autumn	6
	SOC231	Social Analysis	Spring	8
	300-level			
	ABST300	Indigenous Theories of Decolonisation	Spring	8
Creative Arts	ABST350	Special Topic in Aboriginal Studies	Autumn/Spring	8
	ABST361	Issues in Aboriginal Education	Autumn	8
	ABST362	Aboriginal Pedagogy	Spring	8
	EESC307	Spaces, Places and Identities	Autumn	8
	EESC308	Environmental and Heritage Management	Spring	8
Education	ENGL375	Australia Fair: Nation, "Race", Culture	Spring	8
	HIST350	Debates in Australian Cultural History	Autumn	8
	LAW344	Indigenous Peoples and Legal Systems	Spring	6
	NURS327	Health and Human Ecology	Spring	6
	NURS341	Research in Indigenous Health	Autumn	6
	PHIL390	Contemporary Political Philosophy	N/O 2007	8
Engineering	POP325	Aboriginal Health Issues	Spring	8
	SOC305	Race and Ethnic Studies	Spring	8
	SOC308	Social Policy and the Neoliberal State	Spring	8
	VISA321	Introduction to Indigenous Art and Visual Culture	Autumn	6
Health & Behavioural Sciences	Asia-Pacific Studies			
	The Asia-Pacific Studies major provides students with an understanding of the region in terms of cultural studies, history, politics, economics and languages, with particular attention to Southeast Asia, India, Korea and Japan.			
	The recent changes that have taken place in Australia's region, demonstrate how forces of globalization are increasingly integrating all parts of the world, and thus are shaping Australia's future as one in which it is essential to be able to connect to wider cultural, social, political and economic trends. This major offers unique insights into the nature of globalization in the Asia-Pacific, and will equip graduates to participate in these changes through roles in government, trade, law, social policy, development studies and culture.			
Informatics	Within the major, students can combine subjects to follow streams of study of development in the Asia-Pacific (Sociology, Politics, History, Geosciences and Economics subjects), the interaction of culture, language and politics in the region (Literature, Language and History subjects), or intensive study of the Japanese language.			
	Major Study			
Law	A major study in Asia-Pacific Studies for the Bachelor of Arts degree requires the completion of a minimum of 52 credit points from the subjects listed below, including all core subjects. At least 24 credit points must be at 300-level. This interdisciplinary major may be taken as a single major study, but its flexibility makes it a useful component in a double major. Students should plan their degree programs carefully, bearing in mind the need to satisfy subject prerequisites, particularly at 200- and 300-levels.			
	Minor Study			
Science	A minor in Asia-Pacific Studies will consist of at least 28 credit points of subjects from the course structure of the major. It must include HIST107 and SOC243 but no more than 2 subjects at 100-level. Students may not cross-count any subjects from the minor, in any other minor or major study.			
	Study Program			
	Subjects	Title	Session	Credit Points
	Core			
	SOC243	Contesting Asia: Culture, Diversity, Difference	Autumn	8

Electives

100-Level

STS120	Technology in Society: East and West	Spring	6
HIST124	The Cold War and After	Autumn	6
HIST107	Empires, Colonies and the Clash of Civilisations	Autumn	6
JAPA101	An Introduction to Japanese	Summer 07/08	6
JAPA110	Japan and the Japanese	Spring	6
JAPA141	Beginners' Japanese I	Autumn	6
JAPA142	Beginners' Japanese II	Spring	6
JAPA143	Beginners' Japanese III	Summer 07/08	8

The following 100-level subjects may be offered in Summer Session.

INDO101	Introductory Indonesian/Malaysian - Level 1	Summer 07/08	6
INDO104	Indonesian/Malaysian 1A	N/O 2007*	6
INDO105	Indonesian/Malaysian 1B	N/O 2007*	6
LANG196	Chinese (Mandarin) Level I	N/O 2007*	6
LANG197	Chinese (Mandarin)	N/O 2007*	6
LANG198	Chinese (Mandarin)	N/O 2007*	6
	Intermediate Level for Other Dialect Speakers		

200-Level

ASIA299	Special Topics in Asian Studies	Autumn/Spring/ Summer 07/08	8
ECON251	Industry and Trade in East Asia	Spring	8
EESC212	Geographical Population Studies	Autumn	8
HIST255	Australia and Asia: Connections and Comparisons	N/O 2007	8
HIST286	From Ancient Kingdoms to Colonies: Southeast Asia, 1500-1900	N/O 2007	8
HIST288	Religion and Military Rule in Southeast Asia	N/O 2007	8
LING210	Communicating in a Foreign Language	Spring	8
POL225	International Relations, An Introduction	Autumn	8

300-Level

ASIA300	Globalising Asia	Spring	8
ASIA399	Special Topics in Asian Studies	Autumn/Spring/ Summer 07/08	8
ECON303	Economic Development Issues	Autumn	6
ENGL373	Pacific Literature	N/O 2007	8
HIST339	Australians and War: from Kokoda to Iraq	Spring	8
HIST379	Culture and Identity in Indonesian History, 1870-2002	N/O 2007	8
HIST394	Commodification History	Spring	8
POL317	Politics in the South Pacific	Autumn	8
POL318	The Asian Tigers - Newly Industrialising Countries in Transition	Autumn	8
POL323	North and South: Approaches to Relations Between Advanced, Industrialising and Developing Countries	Spring	8
SOC318	Modernity, Development and Social Change	Autumn	8

*Note: Students wishing to undertake language study in Indonesian should consult the Convenor of the Asia-Pacific Studies major on enrolling.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Australian Studies

Australian Studies is an interdisciplinary and multidisciplinary course of study. It includes Aboriginal studies, history, politics, literature, media, sociology, science and technology and gender in its ambit. It has been designed to introduce students to the various ways Australian issues are addressed and analysed by a variety of interdisciplinary and disciplinary approaches. The major examines questions about national identity, social, cultural and political diversity, race, and gender. By crossing between disciplines, this major offers a rich insight into the complexities and contradictions that contribute to the notions of 'Australian'.

Major Study

A major in Australian Studies consists of a minimum of 52 credit points; a minimum of 6 credit points at 100-level, 8 credit points at 200-level and 24 credit points at 300-level. The major is made up of the three core subjects: AUST101 or AUST102, ABST200 or HIST203 and AUST300 or SOC305. The balance of credit points is made up by taking subjects with Australian content offered by the following Programs within the Faculty: Aboriginal Studies, Communication and Cultural Studies, English, History, Politics, Science Technology and Society and Sociology.

Students should ensure that they have the necessary prerequisites to take the subjects of their choice, or have had the prerequisites waived by the Convenor of the relevant Program.

Minor Study

A minor in Australian Studies consists of a minimum of 28 credit points including one of the nominated core subjects at 100-level, and one of the nominated core subjects at 200-level. The balance of credit points can be taken from the list of subjects for the major, provided that no more than 12 credit points are taken at 100-level. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

Those interested in Honours in Australian Studies should consult the Honours co-ordinator of the School of History and Politics. A notice board with information on Australian Studies can be found in the History and Politics corridor on the second floor of the Arts building (Bldg 19).

Study Program

Subject	Title	Session	Credit Points
100-Level Core			
AUST101	Australian Studies: Cultures and Identities	Autumn	6
Or			
AUST102	Australian Studies: Narrating the Nation	Spring	6
	(Students may use AUST101 or AUST102 as an elective if they have not selected it as a core subject).		
100-Level Electives			
ABST150	Introduction to Aboriginal Australia	Autumn (W'gong), Spring (W'gong), (Batemans Bay, Bega, Moss Vale, Shoalhaven)	6
ENGL113	Contemporary Writing in Australia	N/O 2007	6
HIST109	Living Australia, 1880-2000	Spring	6
POL111	Australian Politics	Autumn	6
POL141	Change and Debate in Contemporary Australian Politics	Summer 07/08	6
SOC103	Aspects of Australian Society	Autumn	6
STS120	Technology in Society: East and West	Spring	6
200-Level Core			
ABST200	Aboriginal Identities: History and Contested Knowledge	Spring	8
or	(Students may use ABST200 or HIST203 as an elective if they have not selected it as a core subject).		
HIST203	Australians and the Great War	Autumn	8
200-Level Electives			
MACS219	Cinema in Australia	Spring)	8
HIST239	A Cultural History of Water	Spring	8
HIST255	Australia and Asia: Connections and Comparisons	N/O 2007	8

POL222	Australian Public Policy	Spring	8
POL290	Women in Society: Productive and Reproductive Labour	Autumn	8
SOC205	Sociology of the Family	Spring	8
SOC222	Crime, Criminality and Criminalisation	N/O 2007	8
SOC242	Contemporary Issues in Society	Autumn	8

300-Level Core

AUST300 or	Twentieth Century Australian Culture (Students may use AUST300 or SOC305 as an elective if they have not selected it as a core subject).	Autumn	8
---------------	---	--------	---

SOC305	Race and Ethnic Studies	Spring	8
--------	-------------------------	--------	---

300-Level Electives: 16 credit points from:

MACS330	The Practices of Everyday Life	Spring	8
MACS357	Television Cultures	Spring	8
ENGL346	Contemporary Canadian/Australian Literatures	N/O 2007	8
ENGL375	Australia Fair: Nation, 'Race' and Culture	Spring	8
HIST318	The Making of the Modern Australian Woman	Autumn	8
HIST339	Australians and War: from Kokoda to Iraq	Spring	8
HIST340	New Approaches to Australian Urban and Rural Working Class History	N/O 2007	8
HIST342	Sickness and Death: Social History and Public Health in Australia	Spring	8
HIST350	Debates in Australian Cultural History	Autumn	8
HIST394	Commodification History	Spring	8
POL 302	Foundations of Australian Political Culture	N/O 2007	8
SOC308	Social Policy and the Neoliberal State	Spring	8
SOC310	The Third Sector	Autumn	8
SOC330	Gender and Society	Spring	8

English Language and Linguistics

The English Language and Linguistics major is built around the premise that access to knowledge through language literacy, is access to power and future success. The ELL major not only addresses immediate written and spoken literacy needs, but also develops linguistic analytical skills, thus enhancing language awareness and enabling students to gain a greater level of sophistication in their use of English. The English Language and Linguistics (ELL) major provides two orientations: a TESOL (Teaching English to Speakers of other Languages) orientation, which can lead to a professional qualification in TESOL if further study is undertaken in the Faculty of Education, and an English for Professional Purposes orientation.

At 100-level, students are introduced to the functional structure and linguistic features of academic writing and also the context in which this occurs – the Western Academic tradition (ELL152/161). ELL171 introduces further functional linguistic tools but within the context of a variety of text types. The functional linguistic approach is continued in ELL271 and ELL371, providing students with a comprehensive “toolbox” for linguistic analysis. The focus is on academic writing, though other text types are considered in order to highlight the particular features of the former. These grammatically oriented core subjects are complemented by LING210 and ELL310, which contextualise the focus language (English), within the global arena.

Major Study

A major in English Language and Linguistics for Non-English Speaking Background students (NESB) consists of 58 credit points and must include 18 credit points at 100-level, 16 credit points at 200-level and 24 credit points at 300-level. A major in English Language and Linguistics for English Speaking Background students (ESB) consists of a minimum of 52 credit points, and must include 12 credit points at 100-level, 16 credit points at 200-level and 24 credit points at 300-level. Students who are uncertain whether they should be in the NESB or the ESB stream, must consult the ELL co-ordinator.

Note: LING210 is counted towards majors in French, Italian, Japanese, and English Language and Linguistics.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Minor Study A minor in English Language and Linguistics for English Speaking Background students (ESB) will consist of ELL161, ELL171, ELL 271, and LING210 (28 credit points). For non- English Speaking Background students (NESB), the minor will consist of ELL151, ELL152, ELL171, ELL271, and LING210 (34 credit points). Students may not cross-count any subjects from the minor in any other minor or major study.		
Commerce	Honours See Bachelor of Arts (Honours)		
Creative Arts	Study Program Subjects TESOL Orientation 100-Level – NESB (Non English Speaking Background) students ELL151 English for Academic Purposes: A Second Language Perspective 1 Autumn 6 ELL152 English for Academic Purposes: A Second Language Perspective 2 Spring 6 ELL171 An Introduction to Systemic Functional Linguistics Spring 6 100-Level – ESB (English Speaking Background) students ELL161 English for Academic Purposes: A First Language Perspective Autumn 6 ELL171 An Introduction to Systemic Functional Linguistics Spring 6 200-Level – NESB and ESB students ELL271 Grammar and Discourse 1 Autumn 8 LING210 Communicating in a Foreign Language Autumn/ Spring 8 300-Level Core – NESB and ESB students ELL310 World Englishes Autumn 8 ELL371 Grammar and Discourse 2 Spring 8 300-Level Elective– NESB and ESB students Any subjects from the following: EDET302 Programming and Methodology in Second Language Teaching Spring 6 EDEK401 Teaching, Reading and Writing To Second Language Learners Spring 6 EDET401 Teaching English, Speaking and Listening to Second Language Learners Autumn 6 EDET402 Teaching English in International Contexts Autumn 6 English for Professional Purposes Orientation 100-Level – NESB (Non English Speaking Background) students ELL151 English for Academic Purposes: A Second Language Perspective 1 Autumn 6 ELL152 English for Academic Purposes: A Second Language Perspective 2 Spring 6 ELL171 An Introduction to Systemic Functional Linguistics Spring 6 100-Level – ESB (English Speaking Background) students ELL161 English for Academic Purposes: A First Language Perspective Autumn 6		
Education			
Engineering			
Health & Behavioural Sciences			
Informatics			
Law			
Science			

ELL171	An Introduction to Systemic Functional Linguistics	Spring	6
200-Level Core- NESB and ESB students			
ELL271	Grammar and Discourse 1	Autumn	8
200-Level Electives - NESB and ESB students			
One of the following subjects:			
LING210	Communicating in a Foreign Language	Autumn/ Spring	8
PHIL255	Philosophy of Language	Spring	8
300-Level Core - NESB and ESB students			
ELL371	Grammar and Discourse 2	Spring	8
ELL310	World Englishes	Autumn	8
ELL314	Language and Ideology	Autumn/ Spring	8

English Literatures

The English major introduces students to a broad range of literary texts; novels, poetry, essays, drama, short stories, film, diaries, and letters, all drawn from medieval to contemporary popular culture. The major offers a rich international curriculum. Students read literatures written or performed in English from Australia, Africa, the Caribbean, New Zealand and the Pacific, Canada, India, and the UK. They are encouraged to enquire into the politics of the production and reception of these texts, in order to understand the aesthetics and valuation of literature as related to questions of race, gender, sexuality, class, and nation. The English major enhances reading, writing and speaking skills, enabling students to analyse what they read, and articulate their response to reading with critical acumen and cultural sensitivity.

Within the major, students can study broadly across genres and literary periods, or they can follow streams of subjects in areas including Australian literature, Postcolonial literatures, Indigenous Australian/Canadian/New Zealand literatures, Gender Studies, and Literature by historical periods. Further specialisation is possible within each stream, e.g. Canadian within Postcolonial, Medieval and Renaissance within Historical, or Modern and Contemporary within Historical. Interest in theory can also be followed through a combination of gender, postcolonial and modernist subjects.

English is often combined as a double major with Communication and Cultural Studies, but students may combine it with any other approved Arts major. It is often taken as the Arts major in the Arts/Law double-degree, and it is an ideal second major for journalism students in the Bachelor of Communication and Media Studies.

English for Teaching Careers

Students intending to teach in primary schools should take at least two English subjects. Students intending to be secondary English teachers need at least 28 credit points of English. In both cases, one of the English subjects will need to contain the word "Literature" in the title. (This regulation is imposed by the NSW Education Department.)

Major Study

A major study in English Literatures is made up of at least 54 credit points: 6 at 100-level, 24 at 200-level, and 24 at 300-level. Of the 54, at least 46 credit points will be in subjects having the prefix 'ENGL', with at least 6 credit points at 100-level, and 16 credit points at 300-level of ENGL subjects. The remaining 8 credit points may be either an ENGL subject, LANG305, or PHIL255 (see below). At 300-level, Pass Conceded or Pass Restricted grades will not accrue credit points towards the major.

Pre-Requisites for 200- and 300-Level Subjects

To gain entry into 200-level English subjects, students must have at least 36 credit points at 100-level, including at least 6 credit points of English (ENGL prefix). For entry to 300-level subjects, students must have at least 16 credit points at 200-level, including at least 8 credit points of English (ENGL prefix).

Minor Study

A minor in English Literatures will consist of at least 28 credit points from the Course Structure of the English Literatures major. Not more than two subjects may be taken at 100-level. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects

Session

Credit Points

100-Level requirements for the major: at least 6 credit points from the following subjects

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	ENGL113	Contemporary Writing in Australia	N/O 2007	6
	ENGL120	An Introduction to Literature and Screen Studies	Autumn	6
	ENGL121	Text and Gender	Spring	6
Commerce	200-Level requirements for the major: at least 24 credit points from the following subjects*.			
	ENGL217	Introduction to Poetry	N/O 2007	8
	ENGL228	English Renaissance Literature and Culture	Autumn	8
Creative Arts	ENGL229	Romantic Literature	Autumn	8
	ENGL230	Page to Stage: Modes of Performance	Autumn	8
	ENGL243	Children's and Young Adult Fantasy Literature	Summer 07/08	8
Education	ENGL244	Children's Literature in Australia	N/O 2007	8
	ENGL248	Chaucer	Spring	8
	ENGL255	Eighteenth Century Literature and Culture	Spring	8
Engineering	ENGL259	An Introduction to Canadian Literature	N/O 2007	8
	ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
	ENGL264	Modernism	Spring	8
Health & Behavioural Sciences	ENGL265	English and Empire	Autumn	8
	ENGL266	Literature of the Victorian Age	N/O 2007	8
	ENGL267	Nineteenth Century US Literature	Spring	8
Informatics	300-Level requirements for the major: at least 24 credit points from the following subjects*			
	Note: At 300-level, Pass Conceded or Pass Restricted grades will not accrue credit points towards the major.			
	ENGL312	Shakespeare, Jonson and Early Modern Dramatic Literature	Spring	8
Law	ENGL334	Development and Debates	Autumn	8
	ENGL337	Sex, Power and Chivalry - Medieval to Modern Literature	Spring	8
	ENGL340	Directed Study in English	Autumn & Spring	8
Science	ENGL345	20th Century Women's Literature	Spring	8
	ENGL346	Contemporary Canadian Australian Literatures	N/O 2007	8
	ENGL350	Fantasy and Popular Fiction	N/O 2007	8
Law	ENGL355	Fourteenth Century Literature	N/O 2007	8
	ENGL365	19th Century Women's Literature	Autumn	8
	ENGL366	Black Writing from Africa, the U.S. and the Caribbean	N/O 2007	8
Science	ENGL373	Pacific Literature	N/O 2007	8
	ENGL374	From Page to Screen	N/O 2007	8
	ENGL375	Australia Fair: Nation, "Race", Culture	Spring	8
Law	ENGL376	Representing India	Autumn	8
	ENGL388	From Sojourners to Global Citizens:	Autumn	8
		Writing from the Chinese Diaspora		
Science	*Other approved subjects:			
	Students may count ONE of the following subjects towards the English Literatures major.			
	Students wishing to enrol in these subjects must satisfy the subject prerequisites.			
Law	LANG305	Literature and Society in Renaissance Europe	Autumn	8
	PHIL255	Philosophy of Language	Spring	8
	European Studies			
Science	European history, literature and language subjects (French, Italian or Spanish), contribute to this interdisciplinary and multi-disciplinary major. This allows students to study a European language (French, Italian or Spanish) at either beginner/near beginner, or post-HSC level, as well as subjects dealing with European civilization, unities, and minorities. The core subjects of the major are offered by the Modern Languages, History, and Politics programs. Other subjects relevant to Europe which complement the European Studies major are offered by the Science, Technology and Society, Philosophy, and English Literatures programs.			
	The major in European Studies brings together expertise existing in various disciplines, drawing together combined knowledge of a specific geo-political and economic area of great significance to Australia, and equipping students with the linguistic, cultural and intellectual skills required to understand and interpret European affairs.			

Major Study

A major in European Studies will consist of a minimum of 52 credit points, including a minimum of 28 credit points chosen from Schedules 1, 2, or 3 and the remainder from Schedule 4. Students must include 24 credit points at 300-level.

Students wishing to study French should take the subjects listed in Schedule 1 below. Students wishing to study Italian should take the subjects listed in Schedule 2 below. Students wishing to study Spanish should take the subjects listed in Schedule 3 below.

Minor Study

A minor in European Studies will consist of two sequential language subjects from Schedule 1, 2, or 3, together with EURO220 and EURO320. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Schedule I (French core subjects)

		Session	Credit Points
FREN151	French IA Language	Autumn	6
or			
FREN251	French IIA Language	Autumn	8
FREN152	French IB Language	Spring	6
or			
FREN252	French IIB Language	Spring	8
EURO220	The European Union: Post-war Integration, 1945 to the Present	Spring	8
EURO320	Nations without States in the European Union	Autumn	8

Schedule II (Italian core subjects)

		Session	Credit Points
ITAL151	Italian IA Language	Autumn	6
or			
ITAL251	Italian IIA Language	Autumn	8
ITAL152	Italian IB Language	Spring	6
or			
ITAL252	Italian IIB Language	Spring	8
EURO220	The European Union: Post-war Integration, 1945 to the Present	Spring	8
EURO320	Nations without States in the European Union	Autumn	8

Schedule III (Spanish core subjects)

		Session	Credit Points
SPAN151	Spanish for Beginners 1	Autumn	6
or			
SPAN251	Spanish Intermediate 1	Autumn	8
SPAN152	Spanish for Beginners 2	Spring	6
or			
SPAN252	Spanish Intermediate 2	Spring	8
EURO220	The European Union: Post war European Integration, 1945 to the Present	Spring	8
EURO320	Nations without States in the European Union	Autumn	8

Note: Students who have not taken the following subjects as core subjects may take them as electives:

FREN251, FREN252, ITAL251, ITAL252, SPAN251, SPAN252

Schedule IV (Elective subjects)

		Session	Credit Points
ENGL228	English Renaissance Literature and Culture	Autumn	8
ENGL229	Romantic Literature	Autumn	8
ENGL230	Page to Stage: Modes of Performance	Autumn	8
ENGL248	Chaucer	Spring	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	ENGL255	Eighteenth Century Literature and Culture	Spring	8
	ENGL264	Modernism	Spring	8
	ENGL312	Shakespeare, Jonson and Early Modern Dramatic Literature	Spring	8
	ENGL334	Critical Theory: Development and Debates	Autumn	8
	ENGL337	Sex, Power and Chivalry: Medieval to Modern Literature	Spring	8
Commerce		(Batemans Bay, Bega, Moss Vale, Shoalhaven, W'gong)		
	ENGL355	Fourteenth Century Literature	N/O 2007	8
	FREN110	France and the French	Autumn	6
Creative Arts	FREN210	France in the Twentieth Century	N/O 2007	8
	FREN351	French IIIA	Autumn	
	FREN352	French IIIB	Spring	
	FREN361	French III C	Autumn, Spring	8
	FREN362	French III D	Autumn, Spring	8
Education	HIST124	The Cold War and After	Autumn	6
	HIST216	Ancient History: Greece	Autumn	8
	HIST217	Ancient History: Rome	Spring	8
	HIST232	Russia in War and Revolution	Autumn	8
	HIST260	War, Military Revolution and the rise of the State 1340-1660	Spring	
	HIST286	From Ancient Kingdoms to Colonies - Southeast Asia, 1500-1900	N/O 2007	8
	HIST322		Autumn	
Engineering	HIST341	Russia in War and Revolution	N/O 2007	
		The Struggle for Europe, 1494-1713		
	ITAL110	Italy and the Italians	Autumn	6
	ITAL351	Italian IIIA	Autumn	
Health & Behavioural Sciences	ITAL352	Italian IIIB	Spring	
	LING210	Communicating in a Foreign Language	Autumn/Spring	8
	LANG305	Literature and Society in Renaissance Europe	Autumn	8
	LANG371	Advanced Studies in Language/Culture A	Autumn or Spring	8
	LANG372	Advanced Studies in Language/Culture B	Autumn or Spring	8
Informatics	LANG373	Advanced Studies in Language/Culture C	Autumn or Spring	8
	PHIL211	Greek Philosophy	Summer 07/08	8
	POL314	Power and the Modern State	Spring	8
	POL315	The Politics of Post-Communist Countries	N/O 2007	8
	SPAN110	The Hispanic World	N/O 2007	
Law	SPAN151	Spanish for Beginners 1	Autumn	6
	SPAN152	Spanish for Beginners 2	Spring	6
	SPAN251	Spanish intermediate 1	Autumn	8
	SPAN252	Spanish intermediate 2	Spring	8
	STS336	Advanced Topics in the History of Science 1500-1800	N/O 2007	8
Science	French A major in French allows students to study French language, literature, and culture either as beginners or advanced learners. Students who enter the major at post-HSC (or advanced) level, will be exempted from some language subjects. The French major aims to provide a course of study which will enable students to: <ul style="list-style-type: none"> comprehend normal spoken and written French in any situation; speak and write clearly and accurately in French in everyday situations; 			

- use their increasing knowledge of the structure of the foreign language to move from dependence on formal instruction to ongoing independent acquisition of linguistic proficiency;
- gather and synthesise information on topics of current interest from different French-language sources and in different media;
- recognise and respond personally to culture-specific information and cultural suppositions in French source material, and to differences between French culture and their own cultural heritage;
- make effective use of linguistic resources such as bilingual dictionaries, Web searches, and descriptive grammars;
- better understand the structure and the communicative resources of their own language;
- accurately translate non-specialist French documents into English;
- apply their foreign language skills to a contemporary French workplace environment;
- gain a broad overview of French cultural and literary traditions;
- take the opportunity to include a semester of study abroad at an exchange university in France as part of their Wollongong undergraduate degree.

Major Study

A major in French for beginners or near beginners consists of 66 credit points, and must include 18 credit points at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below. Students who have achieved a strong 2 Unit HSC pass or equivalent may choose to enter the language sequence at the level of FREN251, and complete a 54 credit points major comprising 6 credit points (civilisation) at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below.

All students wishing to enter the French major at the level of FREN251 must obtain formal approval from the French co-ordinator.

Subject to the pre-requisites listed in the subject database, language and literature/civilization subjects may be taken independently of one another, e.g. French 1A Language may be taken without also taking FREN110. However, students wishing to complete a major in French must complete the sequence set out below.

Native or near-native speakers, whose major also consists of 54 cp, may be granted waivers for FREN251 and FREN252. Such waivers will be granted only at the time of first enrolment in French, in accordance with the Program's policy and with the formal approval of the French co-ordinator or the Convenor of Program. Replacement subjects to make up the 54cp for the major are to be chosen from the additional subjects listed below. Credit may be granted for language courses taken at University level in accordance with established University of Wollongong guidelines.

Honours

See Bachelor of Arts (Honours)

Minor Study in Languages Other Than English (LOTE): French

A Minor in French consists of four sequential language subjects in French. Students beginning at 100-level will take 28 credit points and students beginning at upper levels will take 32 credit points). Students may not cross-count any subjects from the minor in any other minor or major study.

Example: A student beginner could take a Minor by studying FREN151, FREN152, FREN251 and FREN252.

A student who had studied French to HSC level and was commencing University French at second year level could take a minor by studying FREN251, FREN252, FREN351 and FREN352.

Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript.

Study Program

Subjects	Session	Credit Points
100-Level		
FREN151 French IA Language	Autumn	6
FREN152 French IB Language	Spring	6
FREN110 France and the French	Autumn	6
200-Level		
FREN251 French IIA Language	Autumn	8
FREN252 French IIB Language	Spring	8
LING210 Communicating in a Foreign Language	Autumn/Spring	8
300-Level		
FREN351 French IIIA Language	Autumn	8
FREN352 French IIIB Language	Spring	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	LANG305	Society in Renaissance Europe	Autumn	8
	Depending on availability, additional subjects may be taken from:			
	FREN210	France in the Twentieth Century	N/O 2007	8
	FREN361	French IIIC	Autumn/Spring	8
Commerce	FREN362	French IIID	Autumn/Spring	8
	LANG371	Advanced Studies in Language/Culture A	Autumn/Spring	8
	LANG372	Advanced Studies in Language/Culture B	Autumn/Spring	8
	LANG373	Advanced Studies in Language/Culture C	Autumn/Spring	8
	FREN391	French Study Abroad A	N/O 2007	8
	FREN392	French Study Abroad B	N/O 2007	8
	FREN393	French Study Abroad C	N/O 2007	8
Gender Studies				
Creative Arts	Gender Studies is an interdisciplinary major which provides a strong emphasis on what has traditionally been described as Women’s Studies. This focus needs to be retained in the so-called post-feminist age, with its increasingly sophisticated and pervasive attempts to persuade the consumer/reader/viewer that gender equity is finally here, and belief systems are merely a matter of choice. One of the tasks of this major is to address and redress this notion. At the same time – as its name indicates – subjects in the major increasingly attempt to deal not only with the impact of being gendered as female, but also with definitions of masculinity and queer theory.			
Education	In this major, the construction of gender is viewed from a variety of academic perspectives: literary, historical, sociological, and legal; and deals with a range of associated cultural issues: eg. race, ethnicity, class, and the family. The major recognises that students come from a range of backgrounds and may want to study over a range of areas. Accordingly, the major is made up of subjects from the faculties of Arts, Commerce, Education, Health and Behavioural Sciences, Law and Science.			
Engineering	Major Study A major in Gender Studies consists of at least 54 credit points chosen from the following range of subjects (at least 24 credit points must be at 300-level). Students will choose at least five subjects from the list of Specialist Electives, and no more than two from the list of General Electives. Normal pre-requisites apply for the following subjects unless these are waived by the Head of Unit. This applies, in particular, to LAW subjects, for which LAW100 Law in Society is a necessary pre-requisite and will not be waived. Please note: not all subjects will be available in any one year.			
Health & Behavioural Sciences	Minor Study A minor in Gender Studies will consist of at least 28 credit points of subjects from the Course Structure of the Gender Studies major including not more than two subjects at 100-level. At least three of the subjects must be from the list of Specialist Electives. Students may not cross-count any subjects from the minor in any other minor or major study.			
	Study Program			
Informatics	Specialist Electives		Session	Credit Points
	Students must choose at least five subjects from this list			
	100-Level			
Law	ENGL121	Text and Gender	Spring	6
	200-Level			
	ECON208	Gender Work and the Family	Autumn	6
	ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
	POL290	Women in Society – Productive and Reproductive Labour	Autumn	8
	SOC205	Sociology of the Family	Spring	8
	300-Level			
Science	EDUE324	Gender and Social Justice	Spring	6
	ENGL337	Sex Power and Chivalry: Medieval to Modern Literature	Spring	8
	ENGL345	20th Century Women’s Literature	Spring	8
	ENGL365	19th Century Women’s Literature	Autumn	8
	ENGL375	Australia Fair: Nation, “Race”, Culture	Spring	8
	HIST318	The Making of the Modern Australian Woman	Autumn	8
	PHIL363	Philosophy of Feminism	Spring	8

SOC330	Gender and Society	Spring	8
LAW335	Anti-Discrimination Law	Spring	6
General Electives		Session	Credit Points
Students must choose no more than two subjects from this list.			
100-Level			
EESC104	The Human Environment: Problems and Change	Spring	6
ENGL113	Contemporary Writing in Australia	N/O 2007	6
POP102	Sex, Drugs and Rock'n'Roll: Public Health Perspectives	N/O 2007	6
SOC103	Aspects of Australian Society	Autumn	6
200-Level			
EDUF212	Education II	Spring	6
ENGL259	An Introduction to Canadian Literature	N/O 2007	8
300-Level			
MACS330	The Practices of Everyday Life	Spring	8
LAW303	Children, Families and the Law	Autumn	6
PHIL380	Bioethics	Spring	8

History

History aims to understand and interpret the past. It is the subject that brings the past into the present. History is a dynamic discipline, since each generation returns to the past with different questions, based on their own experiences and concerns. Historical analysis brings together both facts and moral judgements to analyse the background to contemporary conditions. Perhaps more importantly, History can also help us to imagine the kinds of futures we want to live.

As an interpretive discipline, History helps to sharpen the skills needed in a broad range of occupations. It teaches us to research information, to critically evaluate debates, and to communicate our arguments and beliefs clearly and effectively. It enriches our experience of the world by offering ways to understand the broad scope of human experiences – from our everyday lives, to larger global processes.

Wollongong's History Program focuses upon themes that link Australian and international history. These themes include culture, environment, gender, globalisation, historiography, labour, war and regional development. These themes may be traced in a variety of settings, whether in broad histories of specific Australian, Asian and European societies; in more specific historical examinations of empires, the political and social impacts of wars, and the development of the State; or in themes as diverse as the history of water, commodification history or the history of sickness and death.

Studying History at Wollongong is also about learning what it is to be a historian with each subject containing steps towards developing a sophisticated critical appreciation of contemporary approaches to historical theories, methods, interpretation, argument, and uses of evidence.

Career Opportunities

History graduates follow many employment paths. They work in Federal and State government departments, in private enterprise, as researchers, in the media, in travel, marketing and tourism, as teachers at primary and secondary schools, institutes of technology and universities, as well as finance and service industries.

The History course builds a solid foundation for future study through developing the students' capacity to inquire, analyse and communicate information, ideas, and concepts. This is extremely helpful to the graduate in terms of taking postgraduate courses.

Major Study

The History major is the central core of study in a History students' undergraduate Bachelor of Arts degree. It will consist of 52 credit points out of at least 144 credit points, with 24 credit points being at 300-level. The purpose of a major is to provide a specific and coherent course of study which will allow students to develop skills. Each subject in the major is intended to provide an understanding of a topic, area or theme, which will develop and enhance skills so as progress to other subjects can take place.

100-level subjects require no special knowledge and are best described as survey courses. They will however, provide students with a general introduction to a particular time, place, or theme. Students will learn and be introduced to many valuable basic skills to help them build a strong foundation for their major. In these subjects students will learn how to:

- identify the causes and effects of historical change;
- summarise the main points of a historical work;
- identify the thesis or central argument of a historical work;
- describe the historical context of a work;

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<ul style="list-style-type: none"> – identify different types of historical evidence; – see how historians produce different accounts of the same of the event; and – to begin the use of primary source material to produce and defend arguments. <p>200-level subjects will refine and extend both skills and historical knowledge. They offer study in greater depth than the survey courses, and will take a closer look at events and places. 300-level subjects take a detailed approach to major historical problems, and unlike earlier studies, students will use a wide range of primary sources to investigate topics. These may include film, radio, television, archival manuscript, oral interviews, literature, newspapers, parliamentary records, photographs, diaries and/or company documents.</p>																						
Commerce	<p>Students taking a major in History can count up to 16 credit points from the following: ABST150, ABST200, FREN210, and STS238, as well as the Politics subjects listed in the table below. Note: students enrolled in a double major may only cross-count one subject.</p> <p>Minor Study</p> <p>A minor in History will consist of at least 28 credit points in subjects from the schedule of the History major. Students may not take more than two subjects at 100-level, and may not cross-count any subjects from the minor in any other minor or major study.</p> <p>Honours</p> <p>See Bachelor of Arts (Honours)</p> <p>Study Program</p>																						
Creative Arts																							
Education	<p>Subjects</p> <p>100-Level</p> <table> <tr> <td>AUST101</td><td>Australian Studies, Cultures and Identities</td><td>Autumn</td><td>6</td></tr> <tr> <td>AUST102</td><td>Australian Studies, Narrating the Nation</td><td>Spring</td><td>6</td></tr> <tr> <td>HIST107</td><td>Empires, Colonies and the Clash of Civilisations</td><td>Spring</td><td>6</td></tr> </table>			AUST101	Australian Studies, Cultures and Identities	Autumn	6	AUST102	Australian Studies, Narrating the Nation	Spring	6	HIST107	Empires, Colonies and the Clash of Civilisations	Spring	6								
AUST101	Australian Studies, Cultures and Identities	Autumn	6																				
AUST102	Australian Studies, Narrating the Nation	Spring	6																				
HIST107	Empires, Colonies and the Clash of Civilisations	Spring	6																				
Engineering	<table> <tr> <td>HIST109</td><td>Living Australia 1880–2000</td><td>Spring</td><td>6</td></tr> <tr> <td>HIST124</td><td>The Cold War and After</td><td>Autumn</td><td>6</td></tr> <tr> <td>POL141</td><td>Change and Debate in Contemporary Australian Politics</td><td>Summer 07/08</td><td>6</td></tr> </table> <p>200-Level</p> <table> <tr> <td>HIST203</td><td>Australians and the Great War</td><td>Autumn</td><td>8</td></tr> </table>			HIST109	Living Australia 1880–2000	Spring	6	HIST124	The Cold War and After	Autumn	6	POL141	Change and Debate in Contemporary Australian Politics	Summer 07/08	6	HIST203	Australians and the Great War	Autumn	8				
HIST109	Living Australia 1880–2000	Spring	6																				
HIST124	The Cold War and After	Autumn	6																				
POL141	Change and Debate in Contemporary Australian Politics	Summer 07/08	6																				
HIST203	Australians and the Great War	Autumn	8																				
Health & Behavioural Sciences	<table> <tr> <td>HIST216</td><td>Ancient History: Greece</td><td>Autumn</td><td>8</td></tr> <tr> <td>HIST217</td><td>Ancient History: Rome</td><td>Spring</td><td>8</td></tr> <tr> <td>HIST230</td><td>Gallipoli Study Tour</td><td>N/O 2007</td><td>8</td></tr> </table>			HIST216	Ancient History: Greece	Autumn	8	HIST217	Ancient History: Rome	Spring	8	HIST230	Gallipoli Study Tour	N/O 2007	8								
HIST216	Ancient History: Greece	Autumn	8																				
HIST217	Ancient History: Rome	Spring	8																				
HIST230	Gallipoli Study Tour	N/O 2007	8																				
Informatics	<table> <tr> <td>HIST232</td><td>Russia in War and Revolution</td><td>Autumn</td><td>8</td></tr> <tr> <td>HIST239</td><td>A Cultural History of Water</td><td>Spring</td><td>8</td></tr> <tr> <td>HIST255</td><td>Australia and Asia: Connections and Comparisons</td><td>N/O 2007</td><td>8</td></tr> <tr> <td>HIST260</td><td>War, Military Revolution and the Rise of the State, 1340–1660</td><td>Spring</td><td>8</td></tr> </table>			HIST232	Russia in War and Revolution	Autumn	8	HIST239	A Cultural History of Water	Spring	8	HIST255	Australia and Asia: Connections and Comparisons	N/O 2007	8	HIST260	War, Military Revolution and the Rise of the State, 1340–1660	Spring	8				
HIST232	Russia in War and Revolution	Autumn	8																				
HIST239	A Cultural History of Water	Spring	8																				
HIST255	Australia and Asia: Connections and Comparisons	N/O 2007	8																				
HIST260	War, Military Revolution and the Rise of the State, 1340–1660	Spring	8																				
Law	<table> <tr> <td>HIST275</td><td>The Growth of the United States, 1865–1898</td><td>N/O 2007</td><td>8</td></tr> <tr> <td>HIST276</td><td>America's Rise to Globalism Since 1919</td><td>Spring</td><td>8</td></tr> <tr> <td>HIST286</td><td>From Ancient Kingdoms to Colonies: Southeast Asia, 1500–1900</td><td>N/O 2007</td><td>8</td></tr> <tr> <td>HIST288</td><td>Religion and Military Rule in Southeast Asia</td><td>N/O 2007</td><td>8</td></tr> <tr> <td>HIST291</td><td>Film and History</td><td>N/O 2007</td><td>8</td></tr> </table>			HIST275	The Growth of the United States, 1865–1898	N/O 2007	8	HIST276	America's Rise to Globalism Since 1919	Spring	8	HIST286	From Ancient Kingdoms to Colonies: Southeast Asia, 1500–1900	N/O 2007	8	HIST288	Religion and Military Rule in Southeast Asia	N/O 2007	8	HIST291	Film and History	N/O 2007	8
HIST275	The Growth of the United States, 1865–1898	N/O 2007	8																				
HIST276	America's Rise to Globalism Since 1919	Spring	8																				
HIST286	From Ancient Kingdoms to Colonies: Southeast Asia, 1500–1900	N/O 2007	8																				
HIST288	Religion and Military Rule in Southeast Asia	N/O 2007	8																				
HIST291	Film and History	N/O 2007	8																				
Science	<table> <tr> <td>POL230</td><td>Latin America: Conquest and Colonisation</td><td>N/O 2007</td><td>8</td></tr> </table> <p>300-Level</p> <table> <tr> <td>AUST300</td><td>Twentieth Century Australian Culture</td><td>Autumn</td><td>8</td></tr> <tr> <td>HIST300</td><td>Reporting War: A History</td><td>N/O 2007</td><td>8</td></tr> <tr> <td>HIST318</td><td>The Making of the Modern Australian Woman</td><td>Autumn</td><td>8</td></tr> </table>			POL230	Latin America: Conquest and Colonisation	N/O 2007	8	AUST300	Twentieth Century Australian Culture	Autumn	8	HIST300	Reporting War: A History	N/O 2007	8	HIST318	The Making of the Modern Australian Woman	Autumn	8				
POL230	Latin America: Conquest and Colonisation	N/O 2007	8																				
AUST300	Twentieth Century Australian Culture	Autumn	8																				
HIST300	Reporting War: A History	N/O 2007	8																				
HIST318	The Making of the Modern Australian Woman	Autumn	8																				

HIST322	Nazism, Stalinism and World War Two	Autumn	8
HIST325	Theory and Method of History	Spring	8
HIST334	Regional History	Autumn	8
	(Batemans Bay, Bega, Moss Vale, Shoalhaven, W'gong)		
HIST339	Australians and War: From Kokoda to Iraq	Spring	8
HIST340	New Approaches to Australian Urban and Rural Working Class History	N/O 2007	8
HIST341	The Struggle for Europe: 1494-1713	N/O 2007	8
HIST342	Sickness and Death: Social History and Public Health in Australia	Spring	8
HIST350	Debates in Australian Cultural History	Autumn	8
HIST379	Culture and Identity in Indonesian History 1870-2002	N/O 2007	8
HIST394	Commodification History	Spring	8
POL315	The Politics of Post-Communist Countries	N/O 2007	8
POL368	Protest and Power in America: the Sixties	N/O 2007	8

Industrial Relations Minor

The Industrial Relations Minor covers the control and administrative work of the employment relationship from a variety of perspectives using a range of analytic frameworks and at all levels from work place to the international stage. A minor in Industrial Relations consists of a minimum of 24 credit points from the subjects listed below, including the one core subject COMM100 and three of the Management subjects listed.

Study program

Subjects	Session	Credit Points
Compulsory CORE subjects for 2007		
COMM100 Introduction to Employment Relations	Autumn	6
Students must undertake three of the following subjects to complete a minor in Industrial Relations		
MGMT342 Research Topics in Industrial Relations	Autumn	6
MGMT240 Wage Determination	Spring	6
MGMT348 Employers and Industrial Relations	Spring	6
MGMT352 Negotiation Bargaining and Advocacy	Summer 07/08	6

Information Studies

In contrast to courses providing training in Information Technology, Information Studies concentrates on examining information issues from social perspectives. In addition to learning about computer languages and communication systems, this major enables students not only to use, but also to critically analyse, reflect on, and contribute to transforming information systems in their social context. The subjects in the major include a range of social science and humanities disciplines in Arts and beyond that specifically address information issues.

The core subjects look specifically at information issues. They do not assume prior study in the discipline. The subjects in the strands draw from established courses in four faculties.

Major Study

A major in Information Studies is an interdisciplinary program of core and optional subjects totalling 66 credit points (dependant on the course strands chosen by the student). It includes at least 24 credit points at 300-level. Subjects are drawn from the Faculties of Arts, Commerce, Informatics, and Law. Students must complete all core subjects and the required subjects from two strands. Students may not take both Strand 2 and Strand 4.

(Note: If the required subjects in particular strands are not available, please see the coordinator of the major for advice on appropriate alternatives).

Minor Study

A minor in Information Studies consists of 28 or 30 credit points from the schedule of the major, including two subjects from the core and one subject from each of the three levels. IACT subjects may not be counted with BUS subjects at 200- and 300-levels. Students may not cross-count any subjects from the minor in any other minor or major study.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Study Program			
	Subjects	Title	Session	Credit Points
	Core Subjects			
	SMAC100	Thinking about Societies, Technologies and Cultures	Autumn	6
Commerce	CSCI102	Systems	Spring	6
	STS128	Computers in Society	Spring	6
	Electives			
Creative Arts	Two of the following strands must be completed but students cannot count both strand 2 and strand 4			
	Strand 1: Three of the following subjects, including at least two at 300-level:			
	MACS335	Electronic Cultures	Autumn	8
Education	POL224	Politics and the Media	Spring	8
	STS288	Science and the Media	Autumn	8
	STS322	Politics in a Technological society	Autumn	8
Engineering	STS 341	Technological Change, Popular Culture and New Media	Spring	8
	Strand 2: All of the following:			
	IACT201	Information Technology and Citizens' Rights	Autumn	6
Health & Behavioural Sciences	IACT202	The Structure and Organisation of Telecommunications	Spring	6
	IACT301	Information and Communication Security Issues	Spring	6
	IACT303	Worldwide Networking	Spring	6
Informatics	Strand 3			
	LAW100	Law in Society	Autumn	6
	LAW210	Contract Law	Spring	6
Law	and two of the following:			
	LAW302	Law of Business organizations	Autumn	6
	LAW317	e-Commerce Law	Spring	6
Science	LAW331	Intellectual Property Law	Autumn	6
	LAW348	Media Law	Spring	6
	Strand 4: All of the following:			
Science	BUSS211	Requirements Determination and Systems Analysis	Autumn	6
	BUSS212	Database Management Systems	Spring	6
	BUSS311	Advanced Database Management Systems	Autumn	6
Science	BUSS312	Business Data Communications	Autumn	6
	Italian			
	A major in Italian allows students to study the language, literature, and culture either as beginners or advanced learners. Students who enter the major at post-HSC or advanced levels will be exempted from some language subjects.			
Science	The purpose of the major is to provide a course of study which allows any student, regardless of their background in the discipline, to include in their degree a specialisation in Italian which will enable them to:			
	<ul style="list-style-type: none"> comprehend normal spoken and written Italian in any situation; express themselves clearly and accurately in spoken and written Italian in a wide range of situations; use their increasing knowledge of the foreign language to move from dependence on formal instruction to ongoing independent acquisition of linguistic proficiency; gather and synthesise information on topics of current interest from different Italian language texts and in different media; recognise and respond personally to culture-specific information and cultural suppositions in Italian texts and to differences between Italian culture and their own cultural heritage; better understand the structure and the communicative resources of their own language; take the opportunity to include one or two semesters of study abroad at an exchange university in Italy as part of their Wollongong undergraduate degree. 			

Major Study

A major in Italian for beginners or near beginners consists of 66 credit points, and must include 18 credit points at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below. Students who have achieved a strong 2 Unit HSC pass or equivalent may choose to enter the language sequence at the level of ITAL251 and complete a 54 credit points major comprising 6 credit points (civilisation) at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below. All students wishing to enter the Italian major at the level of ITAL251 or ITAL152 must obtain approval from the Italian co-ordinator.

Native or near-native speakers, whose major also consists of 54 credit points, may be granted waivers for ITAL251 and ITAL252. Such waivers will be granted only at the time of first enrolment in Italian, in accordance with the Program's policy and with the formal approval of the Italian co-ordinator or the Convenor of Program. Replacement subjects, to make up the 54cp for the major are to be chosen from the additional subjects listed below. Credit may be granted for language courses taken at university level in accordance with established University of Wollongong guidelines. Subject to the pre-requisites listed in the subject database, language and literature/civilization subjects may be taken independently of one another, e.g. Italian 1A Language may be taken without also taking ITAL110.

Honours

See Bachelor of Arts (Honours)

Minor study in Languages other than English (LOTE): Italian

A minor study in Italian consists of four sequential subjects in Italian. The minor will consist of 28 or 32 credit points of language study (28 credit points for students beginning at 100-level and 32 credit points for students beginning at upper levels). Students may not cross-count any subjects from the minor in any other minor or major study.

Example:

A student beginner could take a minor by studying ITAL151, ITAL152, ITAL251 and ITAL252.

A student who had studied Italian to HSC level and was commencing university Italian at second year level could take a Minor by studying ITAL251, ITAL252, ITAL351 and ITAL352.

Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript.

Study Program

100-Level

ITAL151	Italian IA Language	Autumn	6
ITAL152	Italian IB Language	Spring	6
ITAL110	Italy and the Italians	Autumn	6

200-Level

ITAL251	Italian IIA Language	Autumn	8
ITAL252	Italian IIB Language	Spring	8
LING210	Communicating in a Foreign Language	Autumn/Spring	8

300-Level

ITAL351	Italian IIIA Language	Autumn	8
ITAL352	Italian IIID Language	Spring	8
LANG305	Literature and Society in Renaissance Europe	Autumn	8

Depending on availability, additional subjects may be taken from:

LANG371	Advanced Studies in Language/Culture A	Autumn/Spring	8
LANG372	Advanced Studies in Language/Culture B	Autumn/Spring	8
LANG373	Advanced Studies in Language/Culture C	Autumn/Spring	8
ITAL391	Italian Study Abroad A	Autumn/Spring/ Summer 07/08	8
ITAL392	Italian Study Abroad B	Autumn/Spring/ Summer 07/08	8
ITAL393	Italian Study Abroad C	Autumn/Spring/ Summer 07/08	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Japanese

The major in Japanese focuses on developing language skills that will be practical in real life situations, both spoken and written, and is designed with two streams of study entry dependent on a students' language proficiency. Students may enter the major at beginner or intermediate level (including post-HSC level). All students who wish to enter directly into intermediate level, must consult with the convenor of the major. The major consists of language and civilization subjects, and subjects which require a short period of study in Japan.

Major Study

The major in Japanese has two possible entry points, beginner or intermediate (including post-HSC). For beginners the major consists of 82 credit points, and for intermediate, 62. Intermediate (non-post-HSC) stream students are required to successfully complete a placement test. A unique feature of this course is the possibility of a period of study in Japan for beginners and intermediate entry students.

Intermediate entry is recommended for students having completed either Continuers (2 unit) or Extension (3 unit) Japanese at a NSW high school. The beginner stream assumes no prior knowledge of the language. The Japanese major articulates with NSW TAFE Certificate 3 in Japanese.

A special feature on offer at Wollongong (for suitably qualified graduates), is one year of study at a Japanese University in JAPA451 or JAPA551, for which some generous scholarships are available. The Modern Languages Program has had considerable success in obtaining funding and scholarships to assist with the costs of travel and residence in Japan. Such funding is not guaranteed, however, so students may need to meet the costs associated with travel and accommodation for any periods of study in Japan.

Students wishing to study beginner's Japanese but not as a major study, are encouraged to take JAPA141 in Session 1, or JAPA101 in Summer Session (if available). JAPA102 and JAPA103 are also available for beginners who are interested in basic Japanese for either teaching or business respectively. JAPA101, 102, and 103 are all terminating subjects, and are not considered as prerequisites for any other subject in Japanese. They are not mutually exclusive, so only 1 of the 3 can be awarded credit points. JAPA110 is available to all students who wish to familiarise themselves with Japanese civilization and society, but who do not wish to pursue language studies.

Honours

See Bachelor of Arts (Honours)

Minor study in Languages other than English (LOTE): Japanese

Students may also take a minor consisting of any four sequential language subjects in Japanese (e.g. JAPA141, 2 and 3, and JAPA261). The minor will consist of 28 or 32 credit points of language study, dependent upon level of entry. Students may not cross-count any subjects from the language minor in any other minor or major study.

Whilst the minor will not be stipulated on the students' testamur at graduation, it will be recorded on the academic transcript.

Example: A student beginner could take a minor by studying JAPA141, JAPA142, JAPA143 and JAPA261.

Study Program

Subjects	Session	Credit Points
100-Level: Beginners or near beginners		
JAPA110 Japan and the Japanese	Spring	6
JAPA141 Beginners' Japanese I	Autumn	6
JAPA142 Beginners' Japanese II	Spring	6
JAPA143 Beginners' Japanese III	Summer 07/08	8
100-Level: Intermediate (or Post-HSC)		
JAPA110 Japan and the Japanese	Spring	6
200-Level: All students		
JAPA261 Intermediate Japanese I	Autumn	8
JAPA262 Intermediate Japanese II	Spring	8
JAPA271 In-country Japanese Session (Japan)*	Winter (Japan)	8
LING210 Communicating in a Foreign Language	Autumn/Spring	8
300-Level		
JAPA310 Japanese Economics and Media	Autumn	8
JAPA361 Advanced Japanese I	Autumn	8
JAPA362 Advanced Japanese II	Spring	8

Electives: These general subjects do not count towards the major in Japanese. They may be taken as general electives in the degree by students prior to majoring in Japanese (i.e. prior to studying JAPA141) or by students wishing to study the subject without majoring. If a student who has completed JAPA 101, for example, s/he may not take JAPA102 or JAPA103 and vice versa.

JAPA101	An Introduction to Japanese*	Summer 07/08	6
JAPA102	Japanese Studies for Educational Purposes*	Spring	6
JAPA103	Japanese Studies for Business Purposes*	Spring	6

*Subject to availability

Note: JAPA271 is offered to students majoring in Japanese and places are limited. If all places are not filled by majoring students, places may be made available to students undertaking the minor in Japanese.

Media and Cultural Studies

This major provides a critical and theoretical understanding of media and culture. It places emphasis on questions of identity, power, diversity, globalization, and the cultural dimensions of social, scientific and technological change and political engagement. It offers ways of thinking critically about the practice and representation of these and other issues in cinema, television, new media and everyday life. Students are encouraged to investigate these issues both in local contexts and at the international level.

In the core subjects, students are introduced to the key ideas and debates underpinning the interdisciplinary field of cultural studies. In these subjects, students will also learn about methods for analysing film, television, and new media materials. Core subjects are complemented by subjects in which students study specific cultural and media practices in a range of historical, discursive, and institutional settings. In addition to these, students may also include one or two electives from a list of subjects taught by other programs, which are highly relevant to media and cultural studies.

Students who complete this major will graduate with conceptual knowledge and skills in research and analysis, which will be useful in a wide range of related fields such as journalism, media research, arts management, the public service, public affairs, lobbying, and social advocacy.

Major Study

The MACS major requires a minimum of 54 credit points including three core subjects. At 100-level, students must complete SMAC 100. At upper level, students must complete one at 200-level (either MACS 207 or MACS 221), and one at 300-level (either MACS 300 or MACS 330). No more than 16 credit points can be taken from the elective subject lists.

Pre-requisites

Entry to all MACS 200-level subjects will require 36 credit points. Entry to MACS 300-level subjects at least 16 credit points at 200-level. Study abroad and exchange students can consult with the Convenor of Program about entry to upper level MACS subjects. Core MACS subjects have more restrictive pre-requisites.

Minor Study

A minor in Media and Cultural Studies will consist of at least 28 credit points of subjects from the Course Structure of the Media and Cultural Studies major. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Session	Credit Points
100-Level Core		
SMAC100 Thinking about Societies, Technologies and Cultures	Autumn	6
Upper Level (200-300) Core		
Students must complete two of the following four subjects – one at 200-level, and one at 300-level.		
Note: Students may take all four subjects, counting two as core subjects, and two as complementary subjects contributing to their major.		
MACS207 Culture: Central Problems and Critical Debates	Autumn	8
MACS221 Critical Cultural Practice	Spring	8
MACS300 Investigating Identity	Spring	8
MACS330 The Practices of Everyday Life	Spring	8
200-Level Major Subjects		

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MACS200	Media Events and Rituals	Spring	8
	MACS217	Film Form and Style	Autumn	8
	MACS219	Cinema in Australia	Spring	8
	MACS223	Introduction to Publishing Studies	N/O 2007	8
	POL224	Politics and the Media	Spring	8
	STS288	Science and the Media	Autumn	8
Commerce	200-Level Electives			
	ABST202	Indigenous Self-Representation in Contemporary Texts	Autumn	8
	(Note: Students thinking of doing ABST202 should have done ABST150 along with 6 cps of MACS, ENGL or CREA in the 36 cp prerequisite).			
	HIST239	A Cultural History of Water	Spring	8
Creative Arts	HIST291	Film and History	N/O 2007	8
	PHIL255	Philosophy of Language	Spring	8
	300-Level Major subjects			
	MACS301	Culture and Emotion	N/O 2007	8
Education	MACS333	Genre: Theory and Analysis	Spring	8
	MACS335	Electronic Cultures	Autumn	8
	MACS337	Hollywood in Context	Autumn	8
	MACS341	Media and Cultural Studies: Advanced Seminar	Spring	8
	MACS351	Signs of Communication	Summer 07/ 08	8
	MACS357	Television Cultures	Spring	8
Engineering	POL324	Culture and Politics	Autumn	8
	STS335	The Politics of Risk	Spring	8
	STS341	Technological Change, Popular Culture and New Media	Spring	8
	STS390	Media, War and Peace	Spring	8
	300-Level Electives			
	ARTS301	Arts Internship	Spring	8
Health & Behavioural Sciences	ENGL334	Critical Theory: Development and Debates	Autumn	8
	LAW322	Law, Things and Everyday Life	Spring	6
	(Note: This subject has a pre-requisite of 48 credit points of any subjects, and it has a quota.)			
	POL368	Protest and Power in America: The Sixties	N/O 2007	8
Philosophy	Do human beings have free will? Is the mind distinct from our physical constitution? What is knowledge? Is morality a matter of opinion? These are some of the questions that may be examined in an introductory philosophy degree.			
	The curriculum covers established areas of enquiry such as theory of knowledge, metaphysics, philosophy of mind and action, philosophy of language, theoretical ethics, political philosophy, philosophy of law, philosophy of feminism, and applied philosophy, including health, media and environmental ethics.			
	Upper level subjects within the philosophy major divide into two broad streams of study: (a) Ethics, Politics and Society, and (b) Knowledge, Mind, Language, and Metaphysics. These streams of study reflect central areas of enquiry making up the subject matter of philosophy.			
	Introductory subjects in philosophy serve to introduce students to the themes that are taken up in more depth in the upper level subjects within streams (a) and (b). In the interests of a good education within the discipline, it is recommended to students that they include in their major a spread of subjects across streams (a) and (b).			
Law	Major Study			
	A major in Philosophy comprises a minimum of 52 credit points of PHIL subjects, of which at least 16 credit points are 200-level PHIL subjects and at least 24 credit points are 300-level PHIL subjects. Students taking a major in Philosophy may count 8 credit points from POL213.			
Science	Minor Study			
	A minor in Philosophy will consist of at least 28 credit points in subjects from the schedule of the Philosophy major. Students may not take more than two subjects at 100-level, and may not cross-count any subjects from the minor in any other minor or major study.			

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-Level			
PHIL106	Media, Ethics and Law	Spring	6
PHIL107	Values, Self and Knowledge	Autumn	6
PHIL151	Practical Reasoning	Spring	6
200-Level			
PHIL206	Practical Ethics	Autumn	8
PHIL209	Logic	N/O 2007	8
PHIL210	Contemporary European Philosophy	N/O 2007	8
PHIL211	Greek Philosophy	Summer 2007/08	8
PHIL232	Political Philosophy	N/O 2007	8
PHIL255	Philosophy of Language	Spring	8
PHIL256	Ethics and the Environment A	Autumn	6
PHIL258	Ethics and the Environment B	Autumn	8
PHIL262	Theories of Knowledge and Metaphysics	Spring	8
PHIL284	Theoretical Ethics	Spring	8
PHIL286	Philosophy of Social Science	Autumn	8
PHIL288	Philosophy of Mind	Autumn	8
Other approved 200-level subject			
POL213	Key Concepts and Thinkers in Political Theory	N/O 2007	8
300-Level			
PHIL305	Special Philosophical Questions	Spring/Autumn/ Summer	8
PHIL309	Knowledge and Language	Spring	8
PHIL310	Advanced Applied Ethics	Autumn	8
PHIL313	Advanced Theoretical Ethics	Autumn	8
PHIL314	Advanced Topics in the Philosophy of Mind	Autumn	8
PHIL363	Philosophy of Feminism	Spring	8
PHIL380	Bioethics	Spring	8
PHIL390	Contemporary Political Philosophy	N/O 2007	8

Politics

The discipline of Politics is an exciting, vibrant and constantly changing body of ideas, approaches and methods. The Politics program offers subjects in international relations, Australian politics, political theory, comparative politics, the politics of developing countries, public policy, culture and media. Students are advised to study as broadly as possible across the areas offered by the discipline.

The purpose of the major is to acquaint students with key areas of Politics as a discipline. Political study involves examining the origins and nature of consent, authority, and consensus, which underpin social order. Many factors are covered in this examination; political institutions, political economy, culture, class, gender and ethnicity. Politics can and does occur at many levels, from international relations to the nation state, from local communities to the individual. The study of politics is not just to do with politics in the here and now, but concerns itself with both the past and the future. Whether it is a country being studied, relations between countries, or a body of political ideas, politics engages us with choices about how to live life and how best to contribute to society.

Major Study

A major in Politics consists of 52 credit points, including at least 24 credit points at 300-level in Politics subjects. Graduates with a Politics major will normally have included at least one subject from each of the following areas in their program: (1) Australian Politics, (2) Political Theory and (3) the Politics of a country other than Australia or Comparative Politics or International Relations.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Note: Students who intend to undertake Honours in Politics must complete POL314 power and the Modern State.
Students majoring in Politics may count up to 16 cp from the following subjects: PHIL232, PHIL390, SOC308, SOC309, SOC318, SOC221, STS322 and STS335. Note: Students enrolled in a double major may only cross-count one subject.

Minor Study

A minor in Politics will consist of at least 28 credit points in subjects with the prefix 'POL' from the Course Structure of the Politics major. Students may not take more than two subjects at 100-level, and may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Session	Credit Points
100-Level		
POL111 Australian Politics	Autumn	6
POL121 Politics in a Globalising World	Spring (Batemans Bay, Bega, Moss Vale, Shoalhaven, W'gong)	6
POL141 Change and Debate in Contemporary Australian Politics	Summer 2007/08	6
200-level		
POL210 The European Union: Post-War Integration, 1945 to the Present	Spring	8
POL211 Democracy in Theory and Practice	Autumn	8
POL213 Key Concepts and Theories in Political History	Autumn	8
POL216 Politics in the USA	Autumn	8
POL222 Australian Public Policy	Spring (Batemans Bay, Bega, Moss Vale, Shoalhaven, W'gong)	8
POL224 Politics and the Media	Spring	8
POL225 International Relations: An Introduction	Autumn/Spring	8
POL230 Latin America: The Politics of Conquest and Colonisation	N/O 2007	8
POL290 Women in Society: Productive and Reproductive Labour	Autumn (Batemans Bay, Bega, Moss Vale, Shoalhaven, W'gong)	8
300-Level		
POL301 Politics Internship	Autumn/Spring/ Summer 07/08	16
POL302 Foundations of Australian Political Culture	N/O 2007	8
POL303 Peacekeeping, Sovereignty and Global Order	Autumn/Spring	8
POL314 Power and the Modern State (Compulsory for students intending to take Politics Honours)	Spring	8
POL315 The Politics of Post-Communist Countries	N/O 2007	8
POL317 Politics in the South Pacific	Autumn/Spring	8
POL318 The Asian Tigers - Newly Industrialising Countries in Transition	Autumn	8
POL319 Political Economy in the New Millennium	Autumn/Spring	8
POL323 North and South: Approaches to Relations between Advanced, Industrialising and Less Developed Countries	Spring	8
POL324 Culture and Politics	Autumn	8
POL368 Protest and Power in America: The Sixties	N/O 2007	8

Resource and Environmental Studies

Resource and Environmental Studies looks at environmental issues from social perspectives, in contrast to environmental science, which uses scientific disciplines to approach environmental issues. The rationale for RES is that many environmental problems are not technical issues but involve political struggles, ethical choices, human behaviour, economic trade-offs, and conflicts over scientific knowledge. To tackle these wider social dimensions intrinsic to most environmental issues of concern today, a wide-ranging social analysis is valuable and essential.

The subjects in the major include a range of social science and humanities disciplines (in Arts and beyond) that specifically address environmental issues. There is a core of four subjects from Earth and Environmental Sciences, Science Technology and Society (STS) and Philosophy. In addition, students must choose subject sequences from two of four areas – STS, EESC, Law and Economics – so that they are exposed to a variety of disciplinary perspectives (in the core) and to require all students to develop advanced level understanding in two contrasting disciplines (in the sequences). The major is thus genuinely interdisciplinary.

Major Study

A major study in Resource and Environmental Studies for the Bachelor of Arts degree is available by undertaking the following program. It must include at least 24 credit points at 300-level. A major in Resource and Environmental Studies involves an interdisciplinary combination of core and optional subjects. The core is made up of four subjects from Earth and Environmental Sciences, Science, Technology and Society and Philosophy. Students must also choose subject sequences from two of four areas: Science, Technology and Society, Earth and Environmental Sciences, Law or Economics.

Minor Study

A minor in Resource and Environmental Studies consists of 28 or 30 credit points from the schedule of the major, including two subjects from the core of the major and including one subject at each of the three levels. Students may not cross-count any subjects from the minor in any other minor or major study.

Study Program

Subjects	Title	Session	Credit Points
Core Subjects			
EESC104	The Human Environment: Problems and Change	Spring	6
STS116	Environment in Crisis: Technology and Society	Spring	6
PHIL256	Ethics and the Environment A	Autumn	6
STS300	The Environmental Context	Autumn	8

Electives

Two of sequences A, B, C and D must be completed.

Sequence A: Both of the following subjects:

(Note: Students undertaking sequence A, are strongly recommended to take ECON111, Introductory Microeconomics. Furthermore, to be able to handle ECON311 well, it is recommended that students also take ECON215, Microeconomic Theory and Policy.)

ECON309	Environmental Economics	Spring	6
ECON311	Natural Resource Economics	Autumn	6

Sequence B: Three of the following subjects:

(Note: Students must have successfully completed at least one 200-level subject as a prerequisite for 300-level subjects.)

EESC212	Geographical Population Studies	Autumn	8
EESC211	Rural and Urban Social Geography	Spring	8
EESC215	Environmental Impact of Societies	Spring	8
EESC308	Environment and Heritage Management	Spring	8

Sequence C: Two compulsory subjects and one elective:

STS100	Social Aspects of Science and Technology	Autumn	6
STS335	The Politics of Risk	Spring	8

and one of the following subjects:

STS238	Changing Images of Nature and the Environment	Spring	8
STS278	Scientific and Technological Controversy	Spring	8

Sequence D: All of the following subjects:

LAW100	Law in Society	Autumn	6
LAW308	Administrative Law	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Science, Technology and Society (STS)

Modern science and technology underpin almost every feature of our society. They impinge daily upon our lives and shape our futures. Science, Technology and Society (STS) is the interdisciplinary academic field which studies the origin, nature and social impact of science, technology and medicine, and seeks to inform science and technology policies for the future.

What are science and technology, and how have they developed? What do scientists and technologists do? What makes their knowledge 'scientific'? How do their activities affect us? Can we influence their direction? How will our future depend on them? Can we solve the problems that seem to come with the opportunities? Students in all fields need to confront these questions.

In the past generation there has been a revolution in our understanding of these issues. Of the few STS teaching programs in Australian universities, Wollongong's is one of the longest established, most comprehensive and most innovative.

STS can be studied as a major, leading to Honours and PhD programs. A minor in STS, or individual STS subjects, can be selected as a suitable complement to a major in many other fields.

Major Study

A major in STS consists of 52 or 54 credit points, and comprises:

- STS100 Social Aspects of Science and Technology (or equivalent if taken in 2004 or before)
- STS278 Scientific and Technological Controversy
- STS322 Politics in a Technological Society

PLUS

- one other STS subject at 200- level,
- two other STS subjects at 300-level,
- one other STS subject at any level.

Minor Study

A minor in STS consists of 28 or 30 credit points from the schedule of the major. The minor includes one subject at each of the three levels. Subjects in the minor may not be cross-counted with any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Important note: Some STS subjects at 200- and 300- levels have two versions: 8 credit point versions are listed in the General Schedule and 6 credit point versions are taken as electives in degrees from faculties offering 6 credit point subjects at upper levels. (See Electives for Non-Arts students in table below). These upper-level 6 credit point subjects will not count towards the Arts degree nor the Bachelor of Communication and Media Studies.

Subjects	Title	Session	Credit Points
100-Level			
STS100	Social Aspects of Science and Technology	Autumn	6
STS112	Revolutions in Science: History, Philosophy and Politics of Science	Spring	6
STS116	Environment in Crisis: Technology and Society	Spring	6
STS120	Technology in Society: East and West	Spring	6
STS128	Computers in Society	Spring	6
200-Level			
STS215	Globalisation: Technology, Culture and Media	Autumn	8
STS218	Environment in Crisis: Technology and Society	Spring	8
STS223	The Politics of Medicine and Health	N/O 2007	8
STS238	Changing Images of Nature and the Environment	Spring	8
STS250	From Molecular Genetics to Biotechnology	Autumn	8
STS278	Scientific and Technological Controversy	Spring	8
STS288	Science and the Media	Autumn	8
300-Level			

MACS335	Electronic Cultures	Autumn	8
HIST342	Sickness and Death: Social History of Public Health in Australia	Spring	8
PHIL380	Bioethics	Spring	8
STS300	The Environmental Context	Autumn	8
STS322	Politics in a Technological Society	Autumn	8
STS335	The Politics of Risk	Spring	8
STS341	Technological Change, Popular Culture and New Media	Spring	8
STS360	Technology and Body Politics	N/O 2007	8
STS390	Media, War and Peace	Spring	8
STS399	Research Topics in Science, Technology and Society	Autumn/Spring	8

Elective subjects for Non-Arts students

The following STS subjects are often taken as electives in the Faculties of Science and Engineering and can be taken in any degree where 6 credit point upper level subjects are the norm. They do not count in the Bachelor of Arts or Bachelor of Communication and Media Studies, or as Arts subjects in their combined degrees.

STS251	From Molecular Genetics to Biotechnology	Autumn	6
STS306	Special Topics in the Social and Policy Aspects of Engineering	Spring	6
STS376	The Politics of Risk	Spring	6

Sociology

Sociology is the study of social life, cultural and social change and the social causes and consequences of human behaviour. By acquiring sociological skills students develop the ability to analyse a wide variety of social processes, institutions, causes of social change and the structures of groups and societies. Specific areas of study for sociologists include gender and social class, crime and punishment, race and ethnicity, the family, welfare and education reform, everyday life experiences, social movements, social change in Asia, sport and entertainment, and youth and popular culture.

Major Study

A major in Sociology consists of at least 54 credit points:

- at least 6 credit points of Sociology at 100-level in either SOC103 or SOC104
- at least 24 credit points at 200-level including SOC203 and SOC231 and an elective chosen from the list below;
- at least 24 credit points at 300-level in SOC subjects.

Minor Study

A minor in Sociology will consist of at least 28 credit points from the schedule of the major. It will include SOC103 or SOC104, as well as SOC203 and SOC231. It must not include more than two subjects at 100-level. Subjects in the minor may not be cross-counted with any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Session	Credit Points
100-Level: at least one of the following subjects		
SOC103 Aspects of Australian Society	Autumn	6
SOC104 Communication, Media and Society	Spring	6
200-Level: at least 24 credit points including SOC203 and SOC231.		
POL290 Women in Society: Productive and Reproductive Labour	Autumn	8
SOC203 Explaining Society	Spring	8
SOC205 Sociology of the Family	Spring	8
SOC206 Youth and Popular Culture	Autumn	8
SOC222 Crime, Criminality and Criminalisation	N/O 2007	8
SOC224 Violence, Fear and Civilisation: the Evolution of States	Autumn	8
SOC231 Social Analysis	Spring	8
SOC242 Contemporary Issues in Society	Autumn	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	SOC243	Contesting Asia: Culture, Diversity, Difference	Autumn	8
	SOC244	Punishment: Purpose, Practice, Policy	Spring	8
	300-Level: at least 24 credit points			
	SOC302	Contemporary Social and Political Thought	Autumn	8
	SOC303	The Individual in Society	N/O 2007	8
Commerce	SOC305	Race and Ethnic Studies	Spring	8
	SOC308	Social Policy and the Neoliberal State	Spring	8
	SOC309	Social Movement and Community Activism	N/O 2007	8
	SOC310	The Third Sector	Autumn	8
	SOC318	Modernity, Development and Social Change	Autumn	8
Creative Arts	SOC325	Social Research Methods in Policy and Evaluation	Autumn	8
	SOC330	Gender and Society	Spring	8
	SOC334	Bread and Circuses	Spring	8
	SOC341	Special Topics in Sociology	Autumn/Spring/ Summer	8
	SOC349	Governing Society; The Self and the Social	N/O 2007	8
Minor Study in Spanish				
Education	Since 2004, students in the Faculty of Arts are able to take a Minor consisting of four sequential subjects in Spanish. Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript. The minor will consist of 28 credit points of language study in Spanish. Example: A student may take a Minor by studying SPAN151, SPAN152, SPAN251, and SPAN252. Students may not cross-count any subjects from the minor in any other minor or major study. Note: SPAN110 does not count towards the minor in Spanish.			
	All Spanish subjects are also included in the European studies major. All students wishing to enter Spanish at the level of SPAN152 or higher must obtain formal approval from the Spanish co-ordinator.			
Engineering	Subjects		Session	Credit Points
Health & Behavioural Sciences	100-Level			
	SPAN110	The Hispanic World	N/O 2007	6
	SPAN151	Spanish for Beginners I	Autumn	6
	SPAN152	Spanish for Beginners II	Spring	6
	200-Level			
SPAN251	Spanish intermediate I	Autumn	8	
SPAN252	Spanish intermediate II	Spring	8	
War and Society				
Informatics	War has long pre-occupied scholars from a broad range of disciplines. It has been a dominant element in notions of empire and nation-building, popular culture, creative writing, film, television and memory. War has both united and divided societies and it has affected public and social policy. It reaches from the international arena to the homes of individual families. War has been both demonised and glorified – and is a touchstone in debates over gender. The War and Society major is a broad interdisciplinary major that examines the way war has been represented and analysed from different disciplinary perspectives. Implicit in the major are questions about the nature of war, its definitions, its economic, political and social aspects, and its consequences.			
	Major Study			
Law	A major in War and Society consists of a minimum of 52 credit points chosen from the list of electives and the core subject, WAR 300.			
	Minor Study			
Science	A minor in War and Society consists of a minimum of 28 credit points including WAR 300.			
	Subjects		Session	Credit Points
	100-Level			
	ABST150	Introduction to Aboriginal Australia	Autumn/Spring	6
	HIST107	Empires, Colonies and the Clash of Civilisations	Spring	6
HIST124	The Cold War and After	Autumn	6	

POL121	Politics in a Globalising World	Spring	6
200-Level			
ENGL 265	English and the Empire	Spring	8
HIST 203	Australians and the Great War	Autumn	8
HIST 232	Russia in War and Revolution	Autumn	8
HIST 260	War, Military Revolution and the Rise of the State, 1340-1660	Spring	8
HIST 288	Religion and Military Rule in South East Asia	N/O 2007	8
POL 225	International Relations: An Introduction	Spring	8
POL 230	Latin America: The Politics of Conquest and Colonisation	N/O 2007	8
SOC 224	Violence, Fear and Civilisation: The Evolution of States	Autumn	8
ABST 300	Indigenous Theories of Decolonisation	Spring	8
ENGL 337	Sex, Power and Chivalry: Medieval to Modern Literature	Spring	8
HIST 300	Reporting War: A History	N/O 2007	8
EURO 320	Nations Without States in the European Union	Autumn	8
HIST 322	Nazism, Stalinism and World War Two	Autumn	8
HIST 339	Australians and War: From Kokoda to Iraq	Spring	8
HIST 341	The Struggle for Europe, 1494-1713	N/O 2007	8
POL 303	Peacekeeping, Sovereignty and Global Order	Spring	8
POL 368	Protest and Power in America: The Sixties	N/O 2007	8
STS 390	Media, War and Peace	Spring	8
SOC 334	Bread and Circuses	Spring	8
WAR 300	War and Society	N/O 2007	8

Major Study areas offered by other Faculties and approved for inclusion in the Bachelor of Arts

If students take a major taught by member units of the Faculty of Arts, they may take as a secondary major any other major offered by the University provided they meet its requirements. The more traditional secondary majors taken are Economics, Education, Human Geography, Legal Studies, Management, Marketing and Psychology.

In double degrees with the Bachelor of Arts, Psychology and Population Health may be taken as single majors.

Economics (Taught by the Faculty of Commerce)

Major Study

The Economics major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.

Students wishing to undertake this major should refer to the Course Structures of the Bachelor of Commerce.

Students are required to take the 8 subjects as set out in the major study (48 credit points), and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Subjects required for major study:

Code	Subject	Session	Credit Points
ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6
ECON222	Quantitative Methods II	Autumn/Spring	6
ECON305	Economic Policy	Spring	6
ECON316	History of Economic Thought	Autumn	6
OR			
ECON304	The Historical Foundations of the Modern Australian Economy	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Plus 18 credit points, 12 of which must be from 300-level Economics subjects and the other 6 from 200- or 300-level Economics subjects.

Students are required to take the subjects as set out in the major study (48 credit points), and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Education (Taught by the Faculty of Education)

Major Study

Education may be undertaken as a second major in the Bachelor of Arts (course code 702), provided that the first major is selected from one of the major studies offered by the Faculty of Arts (including Aboriginal Studies) and provided that all the degree requirements are met.

A major in Education in the Bachelor of Arts is made up of at least 48 credit points chosen as follows:

- Students must successfully complete EDFE101, EDUF311 and EDUF212

PLUS a further 30 credit points from the Elective subjects listed below,

Subjects may also be selected from those listed in the Education Course Structures with an EDUE prefix. (It should be noted that enrolment quotas apply). Related disciplines, such as Communication Studies, English Language and Linguistics, Psychology or Sociology, may be studied if approved by the Faculty of Education – BA (Education) Coordinator.

The undergraduate degrees in the Faculty of Education have recently been reviewed. From 2007, awards and new programs of study have been developed and will be rolled out between 2007 and 2011. Please note this program may be subject to change.

Subjects	Session	Credit Points
Core Subjects		
EDFE101 Education Foundations 1: Learning and Development	Autumn	6
EDUF311 Educational Foundations 2: Social Cognition and Communication in Learning	Autumn	6
EDUF212 Educational Foundations 3: Sociology and Cultural Studies	Spring	6
Electives		
EDUC291 Youth Culture Education	Autumn	8
EDUC292 Gender and Social Justice	Spring	8
EDEL302 Children's literature in the Early Years	N/O 2007	6
EDLE301 Learners with Exceptional Needs	N/O 2007	6
EDER301 Educational Research and Action Learning	N/O 2007	6
EDEE302 Educational Psychology in Teaching and Learning	N/O 2007	6
EDEC302 The Psychology of Exceptional Children	N/O 2007	6
EDTD302 Teaching for Diversity	N/O 2007	6
EDET302 Program and Methodology in Second Language Teaching	Spring	6
EDET401 Teaching Speaking and Listening to Second Language Learners	Autumn	6
EDEK401 Teaching Reading and Writing to Second Language Learners	Spring	6
EDET402 Teaching English in International Contexts	N/O 2007	6
EDUE411 Disability Issues Across the Life span	Autumn	6
EDUE412 Programming for Individuals with Moderate to Severe Disabilities	Spring	6
EDUZ401 Education Honours	Annual	24

Human Geography or Physical Geography (Taught by the Faculty of Science)

Major Study

Human Geography or Physical Geography may be undertaken as a second major in the Bachelor of Arts, provided that the first major is selected from one of the major studies offered by the Faculty of Arts, and also provided that all the degree requirements are met. Students wishing to major in Human Geography can follow the course structure outlined below. Students wishing to major in Physical Geography in the BA degree must complete 60 credit points as outlined in the course structures for the Bachelor of Science (course code 742). (You are not required to complete the additional elective subjects). Please refer to the course structures of the Bachelor of Science for details of the major. Students anticipating a career in teaching would be well advised to choose options from both physical and human geography, and may also choose Geology subjects depending on the prerequisites.

Human Geography

Human Geography encompasses the study of human societies and human environments. Understanding and helping to resolve conflicts and crises makes Human Geography an immediately socially-relevant discipline. Human Geographers make an essential contribution to environmental management, urban planning, and the management of social and economic change.

Subjects	Session	Credit Points
100-Level		
EESC103 Landscape Change and Climatology	Autumn	6
EESC104 The Human Environment: Problems and Change	Spring	6
Total for major at 100-level		12
200-Level		
EESC212 Geographical Population Studies	Autumn	8
EESC211 Rural and Urban Social Geography	Spring	8
Plus at least one other subject chosen from the Earth and Environmental Sciences schedule at 200-level. Recommended options include:		
EESC213 Introduction to Spatial Science	Autumn/Spring	8
EESC214 Discovering Downunder: A Geography of Australia	Spring	8
EESC215 Environmental Impact of Societies	Spring	8
Total for major at 200-level		24
300-Level		
EESC307 Spaces, Places and Identities	Autumn	8
EESC308 Environmental and Heritage Management	Spring	8
Plus at least one other subject chosen from the Earth and Environmental Sciences schedule at 300-level. Recommended options include:		
EESC305 Remote Sensing of the Environment	Autumn	8
EESC304 Geographic Information Science	Spring	8
EESC310 Water Resources and Management	Spring	8
Total for major at 300-level		24

Legal Studies (Taught by the Faculty of Law)

Note: Legal studies subjects are not designed to prepare students to be practising lawyers.

Major Study

The Legal Studies major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts. Students wishing to major in legal studies in the Bachelor of Arts degree must complete 54 points of Legal Studies subjects at Pass Grade or better. LAW100 Law in Society is a compulsory subject in the BA major study. At least 24 credit points of the major study must be taken at the 300-level.

NOTE: The Legal Studies major is not available to students enrolled in the Bachelor of Arts - Bachelor of Laws degree.

Arts	Study Program		
	Study program subjects are provided by the Faculty of Law		
Commerce	Subjects	Session	Credit Points
	Core Subjects		
	LAW100 Law in Society	Autumn	6
	Elective: 200-Level		
	LAW210 Contract Law	Spring	6
	Electives: 300-Level		
	LAW302 Law of Business Organisations	Autumn	6
	LAW303 Children, Families and the Law	Autumn	6
	LAW304 Criminal Law and the Process of Justice	N/O 2007	6
	LAW308 Administrative Law	Autumn	6
	LAW315 Taxation Law	Spring	6
	LAW316 Occupational Health and Safety Law	Autumn	6
	LAW317 E-Commerce Law	spring	6
	LAW330 Law of Employment	Autumn	6
	LAW331 Intellectual Property Law	Autumn	6
	LAW332 Labour Regulation	Spring	6
	LAW334 Environmental Law	Spring	6
	LAW335 Anti-Discrimination Law	Spring	6
	LAW343 International Law	Autumn	6
	LAW344 Indigenous Peoples and Legal Systems	Spring	6
	LAW348 Media Law	Spring	6
	LAW352 Advanced Taxation Law	Autumn	6
	LAW360 Foreign Investment Law in the People's Republic of China	N/O 2007	6
Creative Arts	Additional Information		
	<p>The maximum number of class hours will not exceed an average of four hours per week per subject. The subject program will specify the actual class hours required for each subject. Seminars normally commence in the first week of session. Students are asked to indicate their preferred seminar/tutorial times prior to the commencement of session.</p> <p>Important: There may be some restrictions on class sizes in Legal Studies subjects. Accordingly, students are strongly advised to finalise their enrolment in Legal Studies subjects for both Autumn and Spring sessions as early as possible, preferably before the commencement of the academic year. In certain instances, adding Legal Studies subjects after the enrolment or re-enrolment dates may not be possible.</p>		
Education	Management		
	(Taught by the Faculty of Commerce)		
Engineering	Major Study		
	<p>The Management major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.</p> <p>Students wishing to undertake this major should refer to the course structures of the Bachelor of Commerce.</p> <p>Students are required to take 8 subjects as set out in the major study (48 credit points) and will also need to satisfy the subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the integrated subject, which is a requirement of the major in the Bachelor of Commerce.</p>		
Health & Behavioural Sciences	Subjects required for major study:		
	Subjects	Session	Credit Points
	MGMT102 Business Communications	Spring	6
	MGMT201 Organisational Behaviour	Autumn	6
	MGMT206 Managing Human Resources	Autumn/ Spring	6
	MGMT220 Organisational Analysis	Spring	6
	MGMT311 Management of Change	Spring	6
Informatics	Subjects required for major study:		
	Subjects	Session	Credit Points
	MGMT102 Business Communications	Spring	6
	MGMT201 Organisational Behaviour	Autumn	6
	MGMT206 Managing Human Resources	Autumn/ Spring	6
	MGMT220 Organisational Analysis	Spring	6
	MGMT311 Management of Change	Spring	6
Law	Subjects required for major study:		
	Subjects	Session	Credit Points
	MGMT102 Business Communications	Spring	6
	MGMT201 Organisational Behaviour	Autumn	6
	MGMT206 Managing Human Resources	Autumn/ Spring	6
	MGMT220 Organisational Analysis	Spring	6
	MGMT311 Management of Change	Spring	6
Science	Subjects required for major study:		
	Subjects	Session	Credit Points
	MGMT102 Business Communications	Spring	6
	MGMT201 Organisational Behaviour	Autumn	6
	MGMT206 Managing Human Resources	Autumn/ Spring	6
	MGMT220 Organisational Analysis	Spring	6
	MGMT311 Management of Change	Spring	6

MGMT314	Strategic Management	Autumn/ Spring	6
MGMT316	Operations Management	Spring	6
MGMT350	Quality Management	Spring	6

Marketing (Taught by the Faculty of Commerce)

Major Study

The Marketing major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.

Students wishing to undertake this major should refer to the course structures of the Bachelor of Commerce. Students are required to take the 8 subjects as set out in the major study (48 credit points) and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Subjects required for major study:

Subjects	Session	Credit Points
MARK201 Applied Marketing Research A	Autumn	6
MARK202 Applied Marketing Research B	Spring	6
MARK217 Consumer Behaviour	Autumn	6
MARK270 Services Marketing	Spring	6
MARK301 Internet Applications for Marketing	Spring	6
MARK333 Marketing Communications	Autumn	6
MARK343 International Marketing	Autumn	6
MARK344 Marketing Strategy	Spring	6

Psychology (Taught by the Faculty of Health and Behavioural Sciences)

Students please note: The course code for the Bachelor of Arts in the Faculty of Arts is 702. Note: Students completing this major in the single Bachelor of Arts degree under Course code 702 must also undertake a major study taught by the Faculty of Arts.

Major Study

The Psychology major may be taken in the Bachelor of Arts in the Faculty of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts. Students enrolled under Course Code 708 should refer to the Faculty of Health and Behavioural Sciences, which administers that degree. Students wishing to undertake this major should refer to the course structures of the Bachelor of Arts in the Faculty of Health and Behavioural Sciences.

Notes: Students of the Faculty of Arts do not select elective subjects from the Health and Behavioural Sciences schedule. Students enrolled in Arts or Communication double degrees may take Psychology as a single major.

Bachelor of Arts (Community, Culture and Environment)

Testamur Title:	Bachelor of Arts (Community, Culture and Environment)
Abbreviation:	BA
Home Faculty:	Faculty of Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Varies according to location
Starting Session(s):	Autumn/Spring
Location:	Batemans Bay, Bega, Moss Vale, Shoalhaven
UOW Course Code:	BB702, BE702, MV702, SH702
UAC Code:	753106, 753107, 753108, 753102
CRICOS Code:	000612E

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Note: Students undertaking the BA at Batemans Bay, Bega, Moss Vale or Shoalhaven must complete a major in Community and Environment

Overview

The BA (Community, Culture and Environment) is an interdisciplinary degree constructed from a range of subjects offered by the Faculties of Arts and Science and the Woolyungah Indigenous Centre. Electives can also be taken from subjects offered by the Faculties of Commerce and Education as part of the degree.

The subjects offered in the degree have been chosen to reflect its themes, community, culture and environment. Subjects offered by Sociology and Politics inform the theme of community, those offered by English, History and Media and Cultural Studies inform the cultural theme and those offered by Earth Sciences and Science and Technology Studies inform the environmental theme. However, many of the subjects offered will often combine two of the themes listed in the degree, especially the subjects offered by the Woolyungah Indigenous Centre.

The basic focus of the degree is Australia. However, Australia cannot be studied in isolation and the degree therefore includes a number of subjects designed to provide a broader context for matters Australian.

The degree provides a broad general education for its students with an emphasis on the skills associated with the humanities and social sciences traditionally associated with an Arts degree: analysis and the use of evidence, the construction of convincing arguments in written and oral forms, the development of writing and presentation skills and a capacity to question and engage in debate are amongst these.

Subjects offered use a range of delivery styles including videoconferencing, edustreaming, web-based and online delivery and face-to-face classes on each of the campuses. The style of delivery varies from subject to subject.

Course Requirements

The Bachelor of Arts (Community, Culture and Environment) requires 144 credit points taken from the subjects listed below, the electives offered by Commerce and Education, and any other subjects offered by the Faculty or those listed in the University's General Schedule. No more than 60 credit points can be taken at 100 level. Not all subjects taught by the Faculty are on offer for the Bachelor of Arts (Community, Culture and Environment) but there is nothing to stop those willing to commute to the Wollongong campus taking these subjects.

The degree's major reflects its name, Community, Culture and Environment. The major requires a minimum of 54 credit points and must include ARTS 112 and 24 credit points at 300 level from the schedule listed below. Students may also take a second major although this will usually require attendance at the Wollongong campus. Majors are recorded on the students' testamurs awarded at graduation.

The degree also offers minors in the following areas: Aboriginal Studies, English Literatures, Environmental Studies, History, Media and Cultural Studies, Politics and Sociology.

Honours

Students completing a major in Community, Culture and Environment can undertake Honours in their fourth year. To undertake Honours, students need to have completed the Community, Culture and Environment major with an average of at least 70% with two Distinctions in two of the three subjects required to complete the major at 300 level.

Study Program

Major Study

Subjects	Session	Credit Points
Core		
ARTS112 People and Place	Autumn	6
100-Level Electives		
ABST150 Introduction to Aboriginal Australia	Autumn/Spring	6
ARTS113 Society and Representation	Spring	6
SMAC100 Thinking about Societies, Technologies and Cultures	Autumn	6
EESC104 The Human Environment: Problems and Change	Spring	6
ELL161 English for Academic Purposes: a First Language Perspective	Autumn	6
Science		
ENGL120 An Introduction to Literature and Screen Studies	Autumn	6
PHIL151 Practical Reasoning	Spring	6
POL121 Politics in a Globalising World	Spring	6

200-Level Electives:

ABST200	Aboriginal Identities: History and Contested Knowledge	Spring	8
ABST201	Redefining Eden: Indigenous Peoples and the Environment	Autumn	8
MACS219	Cinema in Australia	Spring	8
EESC211	Rural and Urban Social Geography	Spring	8
ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
HIST203	Australians and the Great War	Autumn	8
POL290	Women in Society: Productive and Reproductive Labour	Autumn	8
SOC231	Social Analysis	Spring	8
STS218	Environment in Crisis: Technology and Society	Spring	8

300-Level Electives

ABST300	Indigenous Theories of Decolonisation	Spring	8
MACS357	Television Cultures	Spring	8
ENGL337	Sex, Power and Chivalry: Medieval to Modern Literature	Spring	8
ENGL375	Australia Fair: Nation, 'Race' and Culture	Spring	8
HIST334	Regional History	Autumn	8
SOC308	Social Policy and the Neoliberal State	Spring	8
SOC325	Social Research Methods in Policy and Evaluation	Autumn	8
STS300	The Environmental Context	Autumn	8

Bachelor of Arts (Dean's Scholars)

Testamur Title:	Bachelor of Arts (Dean's Scholars)
Abbreviation:	BA
Home Faculty:	Faculty of Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	702 A
UAC Code:	753105
CRICOS Code:	000612E

Overview

The Dean's Scholars Degree provides an academic space for high-achieving single degree Arts students. With a limited intake of ten students per year, it aims to provide an enriched educational experience for high-achieving, motivated Arts and Humanities students who are hoping to make a contribution to their field of study through teaching or research, or as professionals in Arts or humanities areas. Students have the opportunity to attempt subjects not normally available to first-year students and to perform above the level normally expected at first-year. They may be granted exemption from certain first-year subjects and may be permitted extended subject loads, enabling them to complete the degree in under the normal time and enter Honours in their third year.

Each Dean's Scholar has an academic mentor, a member of academic staff who undertakes to offer advice in the scholar's major area of study.

The Dean's Scholars degree is not a scholarship. Students intending to apply for a place in this degree are encouraged to apply for a University of Wollongong undergraduate scholarship separately.

Dean's Scholars must undertake one major study from the Faculty of Arts, and must maintain an average of 75 in each year of study. If the student's average falls below 75, the student will be transferred into the Bachelor of Arts (UOW Course code 702).

As a Bachelor of Arts degree, the Dean's Scholars degree is flexible. Dean's Scholars are able to use the University's student exchange program to undertake a period of study overseas, and several Dean's Scholars have competed successfully for places in the Australian National Internship Program which enables them to undertake a one-session placement in Canberra, usually on the staff of a member of parliament.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Advanced Standing

Information about Approved Credit Transfer Arrangements is available at www.uow.edu.au/handbook/advancedstanding/

Course Requirements

To qualify for award of the degree of Bachelor of Arts (Dean's Scholars) students must complete a total of at least 144 credit points of subjects including

- a major study listed in the Course Structures for this degree and offered by member units of the faculty of Arts;
- not more than 60 credit points in 100 level subjects;

Students must complete one major study (taught by member units of the Faculty of Arts) defined as a minimum of 52 credit points and may undertake two major studies (known as a double major) within the normal requirements of the degree as prescribed by the Faculty.

Minor studies are also available in all areas covered by the Majors. A minor consists of a minimum of 28 credit points of which no more than 12 credit points can be taken at 100 level.

Students may not cross count subjects from a nominated minor into any other minor or major.

Dean's scholars must maintain an average mark of 75 in each year of study in this degree.

Major Study Areas from the Faculty of Arts:

Dean's scholars must select one major from this list, but may select subjects from the General Schedule to make up their total of 144 credit points. Normally, Dean's scholars do not take majors from outside the Faculty.

- Aboriginal Studies
- Asia Pacific Studies
- Australian Studies
- English Language Studies
- English Literatures
- European Studies
- French
- Gender Studies
- History
- Information Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Resource and Environmental Studies
- War and Society
- Science, Technology and Society
- Sociology

Minor Studies

Students enrolled in the Bachelor of Arts (Dean's Scholars) may choose from the following minors:

- Aboriginal Studies
- Asia-Pacific Studies
- Australian Studies
- English Language and Linguistics
- English Literatures
- European Studies
- French
- Gender Studies
- History
- Industrial Relations

- Information Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Resource and Environmental Studies
- Science, Technology and Society
- Sociology
- Spanish
- War and Society

Internship and International Subjects

(See subject descriptions for more information on these subjects)

ARTS201	Introduction to Australia for International Students
ARTS202	International Studies
ARTS301	Arts Internship
POL301	Politics Internship (for students taking the Australian National Internship Program or Washington Internship)

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Honours - see Bachelor of Arts (Honours)

Students who successfully complete the Bachelor of Arts (Dean's Scholars) Degree will be accepted into the Bachelor of Arts (Honours), provided that supervision is available in the Faculty for their proposed thesis topic.

The Faculty of Arts Honours Handbook can be accessed as a PDF document at the following web address:

www.uow.edu.au/arts/current/honsb.pdf

Bachelor of Arts (Honours)

Testamur Title:	Bachelor of Arts (Honours)
Abbreviation:	BA (Hons)
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face. (In the case of Community, Culture and Environment Honours, students will be taught primarily by flexible delivery mode).
Starting Session(s):	Normally autumn, but some schools permit mid-year entry
Location:	Wollongong
UOW Course Code:	701
UAC Code:	N/A
CRICOS Code:	000611F

Overview

The Honours year functions in the university curriculum principally as a bridge between undergraduate study and advanced research. It offers a unique opportunity to study a chosen discipline or interdisciplinary area in depth and to undertake a personalised research project.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

As it is also the entry point for postgraduate research students, it provides a stimulating and supportive environment in which students formulate ideas, engage in debate and acquire the critical tools that will equip them for a research career. Honours is the most direct pathway to further academic research; a class II division 2 (II.2) is the minimum requirement for entry into an MA research or PhD program. As such, the Honours year provides:

- training in research skills and in information systems (archives, the Library, databases, electronic research networks);
- opportunity to practice articulating complex ideas orally and in writing, practice in working closely with a supervisor on a project and in preparing a major project within a deadline;
- experience in devising, researching and writing up an individual topic of study in an extended argument/thesis.

Entry Requirements

Entry to the Bachelor of Arts (Honours) is determined by a recommendation from the Honours Co-ordinator of the School, following the student's application to the University and the School for admission to the Honours year. For the Bachelor of Arts (Honours) in Community, Culture and Environment, the recommendation will be made by the Community, Culture and Environment Honours Co-ordinator.

To qualify for admission to a course leading to an honours degree of Bachelor of Arts a person shall have:

1. either:
 - a) qualified at this University for the award of a relevant pass bachelor degree with an average of at least 70% across the major in which the Honours degree will be undertaken, with the additional requirement of a Distinction in two subjects at 300 level in the major; or
 - b) qualified at another tertiary institution for the award of a pass bachelor degree containing a coherent study equivalent to a relevant major study with an average of at least 70% across the major in which the Honours degree will be undertaken, with the additional requirement of a Distinction in two subjects at 300 level in the major; or
2. satisfactorily completed other requirements approved by the delegated authority.

Course Requirements

Each Program has its unique Honours Course made up of a thesis (50% of the total mark) and a program of coursework (50% of the total mark). In all cases, students considering Honours or Joint Honours are encouraged to talk to the School Honours Coordinators well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors.

Grade of Honours

The overall grade of Honours is determined by calculation of the weighted average mark (WAM) for the 400-level subject in which the student is enrolled. Honours are awarded in the following categories:

- Class I (WAM 85 to 100%)
- Class II, Division 1 (WAM 75 to less than 85%)
- Class II, Division 2 (WAM 65 to less than 75%)
- Class III (WAM 50 to less than 65%)

If the WAM is below 50%, an Honours grade is not awarded.

Areas of Study in Honours

An Honours year in the Faculty of Arts is available in the following areas:

- Aboriginal Studies#
- Community, Culture and Environment*
- English Language and Linguistics
- English Literatures
- European Studies
- French
- History
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Science, Technology and Society

– Sociology

*Available at Batemans Bay, Bega, Moss Vale and Shoalhaven only.

Students may also undertake Joint Honours where two of the areas set out above can be combined or when a discipline from the Faculty of Arts is combined with a discipline from another Faculty. Students who are intending to undertake Joint Honours should consult the Faculty Honours Co-ordinator.

Students who have completed a double major may be accepted into an Honours year. The Honours course will be administered by the academic unit of the student's second major, subject to approval by the Head of the relevant academic unit and the Head of the Aboriginal Studies Program.

Honours Guide and Code of Practice (Honours)

The Faculty of Arts Honours Guide provides detailed information on all Honours courses. It is provided in hard copy to all honours students can be accessed as a PDF document at the following web address:

www.uow.edu.au/arts/current/honsb.pdf

Students are advised to refer to the following University of Wollongong web site for access to the Code of Practice - Honours: www.uow.edu.au/handbook/honourscode.html

Honours Subjects

Full-time students enrol in one 24 credit point subject each session. Part-time students enrol in the 12 credit point equivalent each session. The way the subject is constituted (i.e. the relationship between thesis and coursework) is determined by individual Programs and/or Schools. Details of the Honours courses offered by different Programs are outlined below.

Subjects		Session	Credit Points
School of English Literatures, Philosophy and Languages			
ELL 451	Honours in English Language and Linguistics	Autumn/Spring	24
ELL 452	Honours in English Language and Linguistics (PT)	Autumn/ Spring	12
ENGL411	English IV Honours	Autumn/ Spring	24
ENGL412	English IV Honours (PT)	Autumn/ Spring	12
ENGL421	Combined Honours (English)	Autumn/ Spring	24
ENGL422	Combined Honours (English) (PT)	Autumn/ Spring	12
EURO411	European Studies Honours	Autumn/ Spring	24
EURO412	European Studies Honours (PT)	Autumn/ Spring	12
FREN451	French IV Honours	Autumn/ Spring	24
FREN452	French IV Honours (PT)	Autumn/ Spring	12
ITAL451	Italian IV Honours	Autumn/ Spring	24
ITAL452	Italian IV Honours (PT)	Autumn/ Spring	12
JAPA451	Japanese IV Honours	Autumn/ Spring	24
JAPA452	Japanese IV Honours (PT)	Autumn/ Spring	12
LANG431	Combined French and Italian Honours	Autumn/ Spring	24
LANG432	Combined French and Italian Honours (PT)	Autumn/ Spring	12
PHIL411	Philosophy Honours	Autumn/ Spring	24
PHIL412	Philosophy Honours (PT)	Autumn/ Spring	12
PHIL421	Combined Philosophy Honours	Autumn/ Spring	24
PHIL422	Combined Philosophy Honours (PT)	Autumn/ Spring	12
School of History and Politics			
HIST411	History IV (Honours)	Autumn/ Spring	24
HIST412	History IV (Honours) (PT)	Autumn/ Spring	12
HIST431	Joint Honours in History and another Discipline	Autumn/ Spring	12
HIST432	Joint Honours in History and another Discipline (PT)	Autumn/ Spring	6
POL411	Politics IV (Honours)	Autumn/ Spring	24
POL412	Politics IV (Honours) (PT)	Autumn/ Spring	12
POL431	Joint Honours in Politics and another Discipline	Autumn/ Spring	24
POL432	Joint Honours in Politics and another Discipline (PT)	Autumn/ Spring	12

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	School of Social Sciences, Media and Communication			
	MACS411	Media and Cultural Studies Honours	Autumn/ Spring	24
	MACS412	Media and Cultural Studies Honours (PT)	Autumn/ Spring	12
	MACS421	Joint Honours in Media and Cultural Studies and another Discipline	Autumn/ Spring	24
Commerce	MACS422	Joint Honours in Media and Cultural Studies and another Discipline (PT)	Autumn/ Spring	12
	SOC411	Sociology Honours	Autumn/ Spring	24
	SOC412	Sociology Honours (PT)	Autumn/ Spring	12
	SOC461	Joint Honours in Psychology and Sociology	Autumn/ Spring	24
Creative Arts	SOC462	Joint Honours in Psychology and Sociology (PT)	Autumn/ Spring	12
	SOC421	Joint Honours in Sociology and another Discipline	Autumn/ Spring	24
	SOC422	Joint Honours in Sociology and another Discipline (PT)	Autumn/ Spring	12
	STS411	Science, Technology and Society Honours	Autumn/ Spring	24
Education	STS412	Science, Technology and Society Honours (PT)	Autumn/ Spring	12
	STS431	Joint Honours in Science, Technology and Society and another Discipline	Autumn/ Spring	24
	STS432	Joint Honours in Science, Technology and Society and another Discipline (PT)	Autumn/ Spring	12
	Community and Environment			
Engineering	ARTS411	Community, Culture and Environment Honours (Batemans Bay, Bega, Moss Vale and Shoalhaven campuses only)	Autumn/Spring	24
	ARTS412	Community, Culture and Environment Honours (PT) (Batemans Bay, Bega, Moss Vale and Shoalhaven campuses only)	Autumn/Spring	12
	All Schools			
	ARTS421	Joint Honours (Arts and other Faculties)	Autumn/Spring	12
Health & Behavioural Sciences	ARTS422	Joint Honours (Arts and other Faculties) (PT)	Autumn/Spring	6
	Double degrees with the Bachelor of Arts			
	Arts double degree programs:			
	a) For course codes 703, 720, 747, 771, the major study required for the Arts component of the double degree will be selected from one of the majors offered by member units of the Faculty of Arts and approved for inclusion in the Course Structures of the Bachelor of Arts (course code 702);			
Informatics	b) include a minimum of 90 credit points taken from subjects offered by the member units of the Faculty of Arts; and			
	c) not more than 90 credit points at 100 level.			
	d) For course codes 704, 704E, 704F and 794, the double degree shall follow the prescriptions set by the relevant faculty.			
	Exception: Students majoring in Psychology or Population Health in Arts double degree programs will complete the subjects prescribed for those majors in the Course Structures of the Bachelor of Arts offered by the Faculty of Health and Behavioural Sciences (course code 708).			
Law	The following double degree programs are available to suitably qualified students of the Faculty of Arts. The Faculty of Arts administers the Bachelor of Arts - Bachelor of Commerce and the Bachelor of Communication and Media Studies- Bachelor of Arts.			
	For information on double degrees administered by other faculties, students should consult the entries of the second faculty.			
	(see "Home Faculty" in the table below).			
Science	UAC Code	UOW Code	Home Faculty	Course Name
	751301	703	Arts	Bachelor of Arts - Bachelor of Commerce
			Creative Arts	Bachelor of Arts - Bachelor of Journalism
	751201	771	Law	Bachelor of Arts - Bachelor of Laws

751350	794	Arts	Bachelor of Communication and Media Studies – Bachelor of Arts (for details, see under Double Degrees with the Bachelor of Communication and Media Studies)
751501	720	Creative Arts	Bachelor of Creative Arts – Bachelor of Arts
751302	704	Engineering	Bachelor of Engineering (Civil, Environmental, Materials, Mechatronics, Mining) – Bachelor of Arts
751303	704E and 704F	Informatics	Bachelor of Engineering (Computer, Electrical, Telecommunications) – Bachelor of Arts
751801	747	Science	Bachelor of Science – Bachelor of Arts

Bachelor of Arts - Bachelor of Commerce

Testamur Title:	Bachelor of Arts – Bachelor of Commerce
Abbreviation:	BA-BCom
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	703
UAC Code:	751301
CRICOS Code:	012086A

Overview

This double degree program enables students to combine a major study from the Bachelor of Arts with the core subjects and a major study from the Bachelor of Commerce. The advantage of a the double degree over a double major in Arts and Commerce subjects in the BA is that it enables qualified students to proceed to an honours year in either Arts or Commerce.

Course Requirements

To qualify for the award of the double degree of Bachelor of Arts, Bachelor of Commerce a candidate shall accrue an aggregate of at least 216 credit points by satisfactory completion of subjects approved for inclusion in the Bachelor of Arts, the Bachelor of Commerce and the General Schedule.

The 216 credit points shall include:

- the subjects prescribed for one of the majors for the Bachelor of Arts degree; this will include one major study taught by a member unit of the Faculty of Arts or a major in Psychology or Population Health;
- a minimum of 90 credit points taken from subjects offered by the member units of the Faculty of Arts;
- the subjects prescribed for one of the majors for the Bachelor of Commerce degree;
- not more than 96 credit points for 100-level subjects.

Note the change to course rule 105, as from 2004 “In the case of Arts double degrees the major study required for the Arts component of the double degree will be selected from one of the majors offered by member units of the Faculty of Arts** and approved for inclusion in the Course Structures of the Bachelor of Arts (course code 702).

Exception: Students majoring in Psychology or Population Health in Arts double degree programs will complete the subjects prescribed for the majors in the course structures of Bachelor of Arts offered by the Faculty of Health and Behavioural Sciences (course code 708).”

** Including Aboriginal Studies.

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/ seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Major Study

The requirements for all Arts majors are listed under the Bachelor of Arts in the Faculty of Arts where the majors are administered by the Faculty of Arts or for Psychology and Population Health in the Bachelor of Arts in the Faculty of Health and Behavioural Sciences. The requirements for all Commerce majors are listed under the Bachelor of Commerce within the Faculty of Commerce. Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Minor Study

Students may also take a minor study in any of the majors listed in the Course Structures of the Bachelor of Arts (Course code 702).

Honours

An Honours degree of Bachelor of Arts or Bachelor of Commerce requires additional study (one year full-time, or two years part-time) and may be undertaken by students who meet the requirements for enrolment in Honours early as possible and especially prior to the commencement of 300-level subjects.

Students should consult the single degree Bachelor of Arts and Bachelor of Commerce entries for Honours requirements.

The Faculty of Arts Honours Handbook can be accessed as a PDF document at the following web address:

www.uow.edu.au/arts/current/honsb.pdf

Bachelor of Communication and Media Studies

Testamur Title:	Bachelor of Communication and Media Studies
Abbreviation:	BCM
Home Faculty	Faculty of Arts
Course Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly Face-to-face
Starting Session(s):	Autumn/Spring
Campus:	Wollongong
UOW Course Code:	798
UAC Code:	753109 (Journalism)
	753110 (Screen Studies)
	753111 (Advertising and Marketing)
CRICOS Code:	045471G

Overview

The Bachelor of Communication and Media Studies degree is a course that offers students a critical perspective on media industries and practices and a range of flexible and transferable skills that will prepare graduates for informed engagement with professionals in media and communications fields and may provide employment opportunities in Communications, Media, Advertising and journalism fields.

Entry Requirements / Assumed Knowledge

NSW HSC entry through UAC

Students apply through UAC and satisfy the UAI requirement for the year of application.

Assumed Knowledge: Any two units of English.

Other Secondary Qualifications

Students with secondary qualifications outside NSW will be considered on a case-by-case basis.

Tertiary Qualifications

Applications will be considered from students with the following tertiary qualifications:

A completed Two-year Diploma or Advanced Diploma from TAFE or another accredited institution;

Not less than one-sixth of a Bachelor degree from an approved University;

Other tertiary courses approved by the University of Wollongong.

Overseas Qualifications

Students with tertiary qualifications obtained overseas will be considered provided that they satisfy University's minimum admission requirements.

Alternative Entry (Domestic applicants)

STAT test

UAP

Aboriginal and Torres Strait Islander alternative entry program

Advanced Standing

Information about Approved Credit Transfer Arrangements is available at www.uow.edu.au/handbook/advancedstanding/

Course Requirements

- 1 To qualify for the award of Bachelor of Communication and Media Studies a student must complete a total of least 144 credit points of subjects by satisfactory completion of all the compulsory (core) subjects in the Bachelor of Communication and Media Studies, consisting of 56 credit points, and the required subjects of one of the specialist studies in that degree;
- 2 A candidate may take more than one specialist stream offered in the degree or a second major from the major studies offered by the member units of the Faculty of Arts.
- 3 Of the 144 credit points, not more than 60 credit points shall be for 100-level subjects.
- 4 A candidate for course code 798 who has registered for two major studies, for which there are common subjects at any level may count one subject twice towards the requirements of the major studies, but may only count the credit points once towards the credit points required by the course.
- 5 Minor studies listed in the Course structures of the Bachelor of Arts (Course code 702) may also be undertaken.
- 6 To continue in this degree students must achieve a cumulative average of at least 65% at the end of each academic year.

Course Program

All students enrolled in the degree must complete the following subjects:

Subjects	Session	Credit Points
100-Level Core		
CCS105 Introduction to Media and Cultural Studies	Autumn	6
SOC110 Understanding Audiences	Autumn	6
POL121 Politics in a Globalising World	Spring	6
PHIL106 Media, Ethics and Law	Spring	6
200-Level Core		
MACS200 Media Events and Rituals	Spring	8
POL224 Politics and The Media	Spring	8
300-Level Core		
MACS357 Television Cultures	Spring	8
STS390 Media, War and Peace	Spring	8

Major Studies

Advertising and Marketing

This major will provide students with an understanding of markets, and how these may be reached by manipulating the "marketing mix", the core elements of marketing practice. A focus on the psychology of consumers as decision-makers provides a foundation for the management of the "marketing communication mix", the various channels through which goods and services are promoted and advertised in the marketplace. The subjects in the stream cover the theory and practice of marketing in both national and international contexts.

These subjects are taught by the Faculty of Commerce.

Major Study

The Advertising and Marketing major is made up of the 56 credit point core and all the following subjects:

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

	Subjects (All subjects are compulsory)		Session	Credit Points
Arts	100-Level			
	MGMT110	Introduction to Management	Autumn/Spring	6
	MARK101	Marketing Principles*	Autumn/Spring	6
Commerce	200-Level			
	MARK217	Consumer Behaviour	Autumn	6
	MARK270	Services Marketing	Spring	6
	300-Level			
	MARK333	Marketing Communications	Autumn	6
	MARK343	International Marketing	Autumn	6
Creative Arts	Notes:			
	(a) Students undertaking the Bachelor of Communication and Media – Bachelor of Commerce who are taking Marketing as their major in the Commerce component of the degree cannot take the Advertising and Marketing specialisation in the BCM component.			
	(b) *Students undertaking the Bachelor of Communication and Media – Bachelor of Commerce and who find that these subjects are prescribed in the core of their Commerce degree should consult the School of Management and Marketing for appropriate replacement subjects, and have these subjects approved by the Head of the School of Social Sciences, Media and communication in the Faculty of Arts.			
Education	Journalism			
	The Journalism sequence is designed to develop basic journalism skills to complement the conceptual knowledge of media process in the BA Communication and Media Studies program. Instead of looking at journalism from three separate media – print, radio and television -- the sequence focuses on media convergence based on the practical foundation of generic print media techniques. Students take four core journalism subjects. The teaching approach focuses on learning by doing.			
Engineering	Major Study			
	The Journalism major is made up of the 56 credit point core and all the following subjects:			
Health & Behavioural Sciences	Subjects - All subjects are compulsory		Session	Credit Points
	200-Level			
	JOUR201	Print Media Reporting	Autumn	8
	JOUR202	Feature Writing	Autumn/Spring	8
	300-Level			
	JOUR301	Investigative Reporting	Autumn	8
	JOUR302	Directed Study /Practice	Spring	8
Informatics	Screen Studies			
	Students specialising in Screen Studies will gain experience in media content analysis, and will be introduced to the history of film and television production in Australia and the United States. In addition, they will become familiar with the key policy and theoretical issues raised by the globalisation of broadcast media. This specialisation will offer students a chance to develop advanced skills in research and critical analysis of the screen media.			
Law	Major Study			
	The major in Screen Studies is made up of the 56 credit point core and the following subjects:			
	Subjects - Students must choose four of the following subjects		Session	Credit Points
	200-Level			
	MACS217	Film Form and Style	Autumn	8
	MACS219	Cinema in Australia	Spring	8
	HIST291	Film and History	N/O 2007	8
Science	300-Level			
	MACS333	Film Genre:Theory and Analysis	Spring	8
	MACS337	Hollywood in Context	Autumn	8
	MACS341	Media and Cultural Studies: Advanced Seminar	Spring	8
	(Note: this subject has a quota of 24)			

MACS357	Television Cultures	Spring	8
ENGL350	Fantasy and Popular Fiction	N/O 2007	8

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Double Degrees with Communication and Media Studies

The following double degree programs are available to suitably qualified students of the Faculty of Arts. The Faculty of Arts administers the Bachelor of Communication and Media Studies – Bachelor of Arts, the Bachelor of Communication and Media Studies – Bachelor of Commerce and the Bachelor of Communication and Media Studies – Bachelor of Science.

For information on the second degrees, students should consult the entries of the second faculty.

UAC Code	UOW Code	Home Faculty	Course Name
751350	794	Arts	Bachelor of Communication and Media Studies – Bachelor of Arts
751351	795	Arts	Bachelor of Communication and Media Studies – Bachelor of Commerce
751352	796	Creative Arts	Bachelor of Communication and Media Studies – Bachelor of Creative Arts
751210	760	Law	Bachelor of Communication and Media Studies – Bachelor of Laws
751353	797	Arts	Bachelor of Communication and Media Studies – Bachelor of Science

Bachelor of Communication and Media Studies - Bachelor of Arts

Testamur Title:	Bachelor of Communication and Media Studies – Bachelor of Arts
Abbreviation:	BCM-BA
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	794
UAC Code:	751350
CRICOS Code:	049640G

Overview

By combining the Bachelor of Communication and Media Studies with another degree, students will broaden their employment prospects into the growing areas of media and communication. In the BCM, students can take a major in journalism, advertising and marketing or screen and media studies and still take elective subjects in the other areas. The core of the BCM deals with contemporary issues in politics, communication studies and media, giving students a broad grounding in which to situate their major study. For the Arts degree, the BCM adds employment focus, with identifiable career options in journalism, advertising and marketing. The journalism major in the BCM combines well with the humanities areas in the Arts degree. It provides an avenue for Arts students to extend their writing skills in an area directly tied to an employment destination.

To qualify for the award of Bachelor of Communication and Media Studies – Bachelor of Arts a student must:

- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the specialist studies in that degree;
- complete one major study offered by a member unit of the Faculty of Arts*;
- complete not more than 90 credit points at 100-level;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Arts, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

*Exception: Students majoring in Psychology or Population Health in Arts double degree programs will complete the subjects prescribed for those majors in the course structures of Bachelor of Arts offered by the Faculty of Health and Behavioural Sciences (course code 708). These majors will stand as single majors in the BCM - BA as in other double degrees with the Bachelor of Arts.

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Major Study

Students must take one major from each degree program. If a student wishes to take more than one major from a degree program, s/he should see an academic adviser in the Faculty of Arts.

Majors in the Bachelor of Communication and Media Studies available in 2006

For details of the major studies please refer to the Bachelor of Communication and Media Studies (single degree entry). Majors are available in: Advertising and Marketing, Journalism, and Screen Studies.

Majors in the Bachelor of Arts

All Arts majors and their requirements are listed under the Bachelor of Arts entry.

Students enrolled in the double degree program should consult the academic adviser in the Faculty of Arts about their choice of major studies.

Minor Study

Students may also take a minor study listed in the Course Structures of the Bachelor of Arts (Course code 702), with the exception of the minor in Communication Studies.

Bachelor of Communication and Media Studies - Bachelor of Commerce

Testamur Title:	Bachelor of Communication and Media Studies - Bachelor of Commerce
Abbreviation:	BCM-BCom
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	795
UAC Code:	751351
CRICOS Code:	049641G

Overview

This double degree program enables students to combine a major study from the Bachelor Communication and Media Studies with the core subjects and a major study from the Bachelor of Commerce. Many students interested in communication studies actually want to work at management level in the business sector. The advertising and marketing major in the BCM will allow Commerce students a little more space to extend their business focus. The core subjects and the other majors in the degree (journalism and screen and media studies, for example) add employment options to the degree program.

To qualify for the award of Bachelor of Communication and Media Studies - Bachelor of Commerce a student must:

- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the specialist studies in that degree;
- complete subjects from the Commerce schedule, including core subjects, and subjects to satisfy the requirements of one of the Commerce majors with the exception of the Marketing major in Commerce;
- complete not more than 90 credit points at 100-level;

- d) where necessary, undertake elective subjects from the Course Structures of the Bachelor of Commerce, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

Major Study

Students must take one major from each degree program.

Majors in the Bachelor of Communication and Media Studies available in 2007

For details of the major studies please refer to the Bachelor of Communication and Media Studies (single degree entry). Majors are available in: Advertising and Marketing, Journalism, and Screen Studies.

Majors in the Bachelor of Commerce available in 2007

The requirements for all Commerce majors are listed under the Bachelor of Commerce within the Faculty of Commerce. Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Minor Study

Students may also take a minor study listed in the Course Structures of the Bachelor of Arts (Course code 702), with the exception of the minor in Communication Studies.

Bachelor of Communication and Media Studies - Bachelor of Science

Testamur Title:	Bachelor of Communication and Media Studies - Bachelor of Science
Abbreviation:	BCM-BSc
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	797
UAC Code:	751353
CRICOS Code:	049644D

Overview

In Science where students take extensive studies in discipline areas, the BCM adds an opportunity to broaden the focus, to acquire skills outside the main areas of the degree and thereby increase its marketability. The core of the BCM deals with contemporary issues in politics, communication studies and media, giving students a broad grounding in which to situate their major study. The Media Technology Studies major complements the Science degree well, allowing students to examine the rise of the media industry and critique the controversies marking the growth of media technology.

Course Requirements

To qualify for the award of Bachelor of Communication and Media Studies - Bachelor of Commerce a student must:

- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the specialist studies in that degree;
- complete a major study in the Faculty of Science and satisfy the requirements prescribed in the Science schedule;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Science, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/ seminar presentations, practicals, labs in-class tests and/or exams. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Major Study

Students must take one major from each degree program.

Majors in the Bachelor of Communication and Media Studies available in 2007:

For details of the major studies please refer to the Bachelor of Communication and Media Studies (single degree entry). Majors are available in: Advertising and Marketing, Journalism and Screen Studies.

Majors in the Bachelor of Science available in 2007:

The requirements for all Science majors are listed under the Bachelor of Science within the Faculty of Science or, for Population Health and Psychology, in the Bachelor of Science in the Faculty of Health and Behavioural Sciences.

Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Minor Study

Students may also take a minor study listed in the Course Structures of the Bachelor of Arts (Course code 702), with the exception of the minor in Communication Studies.

Bachelor Communication and Media Studies (Honours)

Testamur Title:	Bachelor of Communication and Media Studies (Honours)
Abbreviation:	BCMS (Hons)
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face.
Starting Session(s):	Normally autumn
Location:	Wollongong
UOW Course Code:	878
UAC Code:	N/A
CRICOS Code:	056219G

Overview

The Honours year functions in the university curriculum principally as a bridge between undergraduate study and advanced research. It offers a unique opportunity to study a chosen discipline or interdisciplinary area in depth and to undertake a personalised research project. As it is also the entry point for postgraduate research students it provides a stimulating and supportive environment in which students formulate ideas, engage in debate and acquire the critical tools that will equip them for a research career. Honours is the most direct pathway to further academic research; a class II division 2 (II.2) is the minimum requirement for entry into an MA research or PhD program. As such, the Honours year provides:

- training in research skills and in information systems (archives, the Library, databases, electronic research networks);
- opportunity to practice articulating complex ideas orally and in writing, practice in working closely with a supervisor on a project and in preparing a major project within a deadline;
- experience in devising, researching and writing up an individual topic of study in an extended argument/thesis.

Entry Requirements

Entry to the Bachelor of Communication and Media Studies (Honours) is determined by a recommendation from the Honours Co-ordinator of the School, following the student's application to the University and the School for admission to the Honours year.

To qualify for admission to a course leading to a Bachelor of Communication and Media Studies (Honours) degree a person shall have:

1. completed the BCM core and at least one specialisation with a 70% average plus distinctions in two 300-level subjects, at least one of which must be drawn from the core or specialisation in which a student intends to write their thesis or complete their project.

OR

2. qualified at another tertiary institution for the award of a Pass Bachelor degree containing a coherent study equivalent to a coherent major equivalent to the core and at least one of the specialisations with an average of at least 70% across the major in which the Honours degree will be undertaken, with the additional requirement of a Distinction in two

subjects at 300-level in the specific major.

3. satisfactorily completed other approved requirements (if necessary). English language entry requirements are those set for domestic and international students at the University

Course Requirements

Each Program has its unique Honours Course made up of a thesis (50% of the total mark) and a program of coursework (50% of the total mark). In all cases, students considering Honours or Joint Honours are encouraged to talk to the School Honours Coordinators well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors.

Grade of Honours

The overall grade of Honours is determined by calculation of the weighted average mark (WAM) for the 400-level subject in which the student is enrolled. Honours are awarded in the following categories:

- Class I (WAM 85 to 100%)
- Class II, Division 1 (WAM 75 to less than 85%)
- Class II, Division 2 (WAM 65 to less than 75%)
- Class III (WAM 50 to less than 65%)

If the WAM is below 50%, an Honours grade is not awarded.

Areas of Study in Honours

Students may also undertake Joint Honours where two of the areas set out above can be combined or when a discipline from the Faculty of Arts is combined with a discipline from another Faculty. Students who are intending to undertake Joint Honours should consult the Faculty Honours Co-ordinator.

Students who have completed a double major may be accepted into an Honours year. The Honours course will be administered by the academic unit of the student's second major, subject to approval by the Head of the relevant academic unit and the Head of the Aboriginal Studies Program.

Honours Guide and Code of Practice (Honours)

The Faculty of Arts Honours Guide provides detailed information on all Honours courses. It is provided in hard copy to all honours students can be accessed as a PDF document at the following web address:

www.uow.edu.au/arts/current/honsb.pdf

Students are advised to refer to the following University of Wollongong web site for access to the Code of Practice - Honours: www.uow.edu.au/handbook/honourscode.html

Honours Subjects

Full-time students enrol in one 24 credit point subject each session. Part-time students enrol in the 12 credit point equivalent each session. The way the subject is constituted (i.e. the relationship between thesis and coursework) is determined by individual Programs and/or Schools. Details of the Honours courses offered by different Programs are outlined below.

Subjects		Session	Credit Points
BCM 411	BCM (Honours)	Autumn/Spring	24
BCM 412	BCM (Honours) (PT)	Autumn/Spring	12

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

SUBJECT DESCRIPTIONS

ABST150 Introduction to Aboriginal Australia

Spring	Wollongong	On Campus
Autumn	Wollongong	On Campus
Autumn	Moss Vale	Flexible
Autumn	Bega	Flexible
Autumn	Batemans Bay	Flexible
Autumn	Shoalhaven	Flexible

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The interaction between the oldest living cultural tradition on Earth, and the ongoing results of the colonial process, are the focus of this subject. Lectures and tutorials provide local and international students with an introduction to the cultures and histories of Aboriginal Australia, and some current issues, through the key concepts of colonisation and resistance. The contrast between indigenous knowledge systems and dominant Western worldviews is a critical theme.

ABST200 Aboriginal Identities: History and Contested Knowledge

Spring	Wollongong	On Campus
Spring	Shoalhaven	Flexible
Spring	Bega	Flexible
Spring	Batemans Bay	Flexible
Spring	Moss Vale	Flexible

Credit Points: 8

Pre-requisites: ABST 150 plus 30

credit points at 100 Level

Co-requisites: None

Subject Description: This subject focuses on the themes of identity, history and contested knowledge as these relate to Indigenous people in Australia. The concept of identity is examined in relation to the theoretical framework of "identity and difference". Current debates about history and historiography are examined. The subject looks at government policies throughout the nineteenth and twentieth century and considers current issues of Indigenous rights and reconciliation. ABST 200 also considers the contestation of knowledge by Indigenous people and how this process reconstructs identities, histories and knowledge according to more relevant frames of reference.

ABST201 Redefining Eden: Indigenous peoples and the environment

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	Flexible
Autumn	Bega	Flexible
Autumn	Batemans Bay	Flexible
Autumn	Moss Vale	Flexible

Credit Points: 8

Pre-requisites: 36 credit points at 100-level.

Co-requisites: None

Subject Description: This subject examines the relationships between Indigenous knowledge, customary laws and social organisation, and the Western science of ecology, in contemporary strategies for natural resource use by Indigenous peoples. Interactions between Indigenous resource systems and Western approaches to

conservation and natural resource management will be examined, as well as the links between environmental impacts, policy processes and property regimes.

ABST202 Indigenous Self-Representation in Contemporary Texts

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 36 credit points including either ABST150 or 6 credit points in any of ENGL, CREA or MACS

Co-requisites: None

Subject Description: This subject introduces students to a range of texts which represent Aboriginal people. Students will examine fiction, children's literature, feature film, short films and plays. They will be introduced to the concept of 'genre' and will explore the ways that different texts can be used to effectively represent the broad spectrum of Aboriginal experience in contemporary times. Through these texts, students will learn about various aspects of Aboriginal culture and identity as well as the importance of self-representation for Aboriginal people.

ABST300 Indigenous Theories of Decolonisation

Spring	Moss Vale	Flexible
Spring	Wollongong	On Campus
Spring	Shoalhaven	Flexible
Spring	Bega	Flexible
Spring	Batemans Bay	Flexible

Credit Points: 8

Pre-requisites: ABST200 plus 16

credit points at 200 level

Co-requisites: None

Subject Description: This subject introduces students to theories of decolonisation. Students will study a range of theories from a variety of disciplinary perspectives including literary theory, education, science, and cultural studies. This subject will broach theoretical and practical approaches to decolonization and will consider their application to the specific experience of colonialism in Australia.

ABST361 Issues in Aboriginal Education

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: ABST150 plus 16cp at 200 level

Co-requisites: None

Exclusions: Not to count with EDUF211, EDUE301 or EDUE401

Subject Description: The Commonwealth government is committed to accelerating the learning progress of Indigenous students. Schools are required to be more accountable and are introducing performance measures on literacy, numeracy, and school attendance and student retention. This subject will explore professional development materials and resources for use by teachers to ensure that indigenous students are achieving comparable outcomes with the general school population. Students will analyse case studies of best practice and the latest research that is closing the educational divide between indigenous and non-indigenous Australians.

ABST362 Aboriginal Pedagogy

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Subject Description: Aboriginal Pedagogy provides an historical account of the pedagogical methods used in mainstream educational institutions and explores alternative, Indigenous philosophies and pedagogical practices. The subject encourages students to think critically about teaching and learning. It also helps to develop professional skills through consultation with Aboriginal communities.

Autumn	Bega	Flexible
Autumn	Batemans Bay	Flexible
Autumn	Moss Vale	Flexible
Autumn	Shoalhaven	Flexible

Subject Description: This subject examines the idea of contested understandings of what it means to be Australian. It focuses on a number of key areas and explores the ways in which gender, ethnicity, class and citizenship status effect the experience of living in this nation. The areas analysed are: public spaces / places; the home; the paid work place; national spaces (memorials, etc.). The subject facilitates critical consideration of the ways in which some groups are excluded from important political, cultural, social, and economic rights as it also focuses on the exclusion of Indigenous peoples, women and migrants from full and equal participation.

Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus

Subject Description: This subject introduces the idea that reality is meaningful once represented through sign systems including an interaction of textual conventions, social practices and cultural knowledges. It provides examples of different texts (literary and non-literary), practice in analysis and expression of argument, focused around the topics of text, nature, gender and education. It proposes that meanings are always multiple and negotiated though based within structuring codes/discourses.

Subject Description: This subject offers students the opportunity to study in situ in another country. The subject consists of a series of lectures and seminars, which may include an intensive language component, introducing students to the issues that will form the focus of study whilst overseas. The nature of these will vary according to the countries chosen and the disciplinary

Autumn	Bega	Flexible
Autumn	Wollongong	On Campus
Autumn	Shoalhaven	Flexible
Autumn	Batemans Bay	Flexible
Autumn	Moss Vale	Flexible

Subject Description: Australian society provides the context for an examination of the major perspectives that inform the analysis of the social power relations that shape patterns of health and illness and the provision of health care services. Students will apply the theoretical frameworks to contemporary issues in health and illness including the introduction of new technologies, the practical meanings of care for different health professions and representations of health and illness in the popular media. The focus on small group learning activities means students have an opportunity to share knowledge and develop their ideas together.

Subject Description: Arts Internship is a subject that crosses boundaries between theory and practice. At the end of your degree this is an opportunity to reflect upon and develop strategies for using your knowledge and skills developed through studies in Arts in the world of work and in the pursuit of your goals in your career and in life. Students will critically examine: the discourses and skills learned in the Faculty of Arts, their personal learning of these discourses and skills, the discourses and skills of the 'world of work'. They will develop understanding of these discourses and skills and their learning of them by undertaking an Internship in a community or business environment. Placement in the Internship is facilitated by the University after negotiation with the student. The Internship is of 48 hours duration completed in addition to class contact time. Reflective learning activities and the Internship are integral in the University assessment of student outcomes in the subject. Students are encouraged to embark on understandings of the relevance of their studies to their post university endeavours.

Science	Law	Informatics	Health & Behavioural Sciences	Engineering	Education	Creative Arts	Commerce	Arts
---------	-----	-------------	-------------------------------	-------------	-----------	---------------	----------	------

Faculty	Arts		
	Autumn	Spring	Flexible
Commerce	Batemans Bay	Batemans Bay	Flexible
	Bega	Bega	Flexible
Creative Arts	Shoalhaven	Shoalhaven	Flexible
	Moss Vale	Moss Vale	Flexible
Education			
Engineering			
Health & Behavioural Sciences			
Informatics			
Law			
Science			

ARTS411 Community, Culture and Environment Honours

Autumn	Batemans Bay	Flexible
Spring	Batemans Bay	Flexible
Autumn	Bega	Flexible
Spring	Bega	Flexible
Autumn	Shoalhaven	Flexible
Spring	Shoalhaven	Flexible
Autumn	Moss Vale	Flexible
Spring	Moss Vale	Flexible

Credit Points: 24

Pre-requisites: Major in Community, Culture & Environment with at least 70% average plus two Distinctions at 300 level subjects in the Community and Environment Major.

Co-requisites: None

Subject Description: This is an interdisciplinary program, comprising a thesis and coursework topics from within discipline areas of the Arts Faculty contribution to the BA (Community, Culture & Environment). Students will write a research thesis of approximately 15,000-20,000 words, and complete two coursework units: Advanced Seminar in Community, Culture and environment and Research Readiness Seminar. Coursework Assessment is the equivalent of 12,000 to 15,000 words. Thesis and coursework supervision will be taken by academics at the University of Wollongong, arranged by the Honours Coordinator in consultation with individual students. Students will also be invited to participate in Honours events (e.g., seminars and presentations) held at the Wollongong Campus. Supervisory and coursework contact may include email, videoconferencing and WebCT. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ARTS412. New enrolments in autumn session only.

ARTS412 Community, Culture and Environment Honours (PT)

Autumn	Batemans Bay	Flexible
Spring	Batemans Bay	Flexible
Autumn	Bega	Flexible
Spring	Bega	Flexible
Autumn	Moss Vale	Flexible
Spring	Moss Vale	Flexible
Autumn	Shoalhaven	Flexible
Spring	Shoalhaven	Flexible

Credit Points: 12

Pre-requisites: Major in Community, Culture & Environment with at least 70% average plus two Distinctions at 300 level subjects in the Community and Environment Major.

Co-requisites: None

Subject Description: This is an interdisciplinary program, comprising a thesis and coursework topics from within discipline areas of the Arts Faculty contribution to the BA (Community, Culture & Environment). Students will write a research thesis of approximately 15,000-20,000 words, and complete two coursework units: Advanced Seminar in Community, Culture and environment and Research Readiness Seminar. Coursework Assessment is the equivalent of 12,000 to 15,000 words. Thesis and coursework supervision will be taken by academics at the University of Wollongong, arranged by the Honours Coordinator in consultation

with individual students. Students will also be invited to participate in Honours events (e.g., seminars and presentations) held at the Wollongong Campus. Supervisory and coursework contact may include email, videoconferencing and WebCT. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ARTS412. New enrolments in autumn session only.

ARTS421 Joint Honours (Arts and other Faculties)

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 12

Pre-requisites: Arts requirements are Major from the Faculty of Arts with at least 70% average and including two Distinctions at 300 level.

Co-requisites: None

Subject Description: This subject provides the means for students to take Joint Honours between Arts and another Faculty in the University. Subject content and the division in terms of the thesis and coursework components of the course will be decided by negotiation between the relevant Faculty Honours co-ordinators. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ARTS422

ARTS422 Joint Honours (Arts and other Faculties) (PT)

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6

Pre-requisites: Arts requirements are Major from the Faculty of Arts with at least 70% average and including two Distinctions at 300 level.

Co-requisites: None

Subject Description: This subject provides the means for students to take Joint Honours between Arts and another Faculty in the University. Subject content and the division in terms of the thesis and coursework components of the course will be decided by negotiation between the relevant Faculty Honours co-ordinators. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ARTS421.

ASIA299 Special Topics in Asian Studies

Summer 2007/2008	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 8

Pre-requisites: None

Co-requisites: None

Subject Description: Students will undertake a subject in a Southeast Asian university. At present exchange agreements exist with Prince of Songkla University in Thailand, Gadjah Mada University in Indonesia and the University of Indonesia, enabling subjects from those universities to be taken as part of a Wollongong BA. Subjects from other universities can be taken by arrangement with the Subject Director, Associate Professor Adrian Vickers.

ASIA300 Globalizing Asia

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 16 cp at 200 level**Co-requisites:** None

Exclusions: SOC 326

Subject Description: This subject explores social and cultural change in Asia in the context of globalization. The subject discusses theories of social and cultural change, and draws on a range of case studies to illuminate current social and cultural trends and changes in Asia. It considers the historical legacies of colonialism and post-WW2 development, and the ways in which historical and contemporary global forces shape Asian societies. Among the topics to be covered include: social movements; sex and gender; artisan labour; transnational and migrant identities; media-identified identities; urbanization and the new economy; poverty, slums and inequality. Countries explored include: Taiwan, India, Japan, Indonesia, Singapore and Bangladesh, as well as comparative, pan-Asian examples.

ASIA399 Special Topics in Asian Studies

Summer 2007/2008 Wollongong On Campus

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** None**Co-requisites:** None

Subject Description: Students will undertake a subject in a Southeast Asian university. At present exchange agreements exist with Prince of Songkla University in Thailand, Gadjah Mada University in Indonesia and the University of Indonesia, enabling subjects from those universities to be taken as part of a Wollongong BA. Subjects from other universities can be taken by arrangement with the Subject Director, Associate Professor Adrian Vickers.

AUST101 Australian Studies: Cultures and Identities

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None

Subject Description: This subject introduces students to some of the important issues and academic debates about identities in Australia. It explores some of the principal features that characterise images of Australia, Australians and the Australian continent. It approaches the subject from an historical and cultural perspective and asks what 'being Australian' has meant to different people at different times, both for the social groups and individuals who have shaped dominant notions of national identity and those who have challenged them. What did it mean, for example, to Indigenous people, to women, to immigrants? The subject also critically examines expressions of Australian identity through some of its national rites and rituals such as Australia Day, Anzac Day, tourism, and the beach.

AUST102 Australian Studies: Narrating the Nation

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None

Subject Description: This subject introduces students to different perspectives on the meanings of 'Australia' and 'Australianess' in the nineteenth and twentieth centuries. It explores the way in which Australia, Australians and the country have been represented. Students explore these ideas from a combination of historical, literary, geographical and cultural perspectives. The subject asks how Australia and being Australian has been represented and understood at different times.

AUST300 Twentieth Century Australian Culture

Autumn Wollongong Flexible

Credit Points: 8**Pre-requisites:** 16 credit points at 200 level**Co-requisites:** None

Exclusions: HIST380

Subject Description: Using both contemporary and modern works, this subject examines significant aspects of, and events in, Australia's cultural history in the twentieth century.

BCM 411 Bachelor of Communication and Media Studies Honours

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Completion of BCM core and at least one specialisation with a 70% average plus distinctions in two 300 level subjects, at least one of which must be drawn from the core or specialisation in which the student intends to write their thesis or complete their project.

Co-requisites: None

Subject Description: To be awarded a BCM(Hons) students must successfully complete two 12 credit point coursework subjects and must also undertake a supervised research project to be presented in a thesis of 15,000-20,000 words. NOTE: BCM 411 is for students enrolling in Honours on a full-time basis. Part-time students should enrol in BCM 412.

BCM 412 Bachelor of Communication and Media Studies Honours (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Completion of BCM core and at least one specialisation with at least 70% average plus two Distinctions at 300 level subjects at least one of which must be drawn from the core or specialisation in which the student intends to write their thesis or complete their project

Co-requisites: None

Subject Description: The 48 credit point honours program is taken over four consecutive sessions. It is equivalent of two 12 credit point subjects and a 24 credit point thesis or project of 15,000 - 20,000 words on a topic developed in consultation with the Convener of program and School Honours Coordinator. This subject is intended for students enrolling in Honours only on a part time basis. Full time candidates should enrol in BCM 411.

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	BCM 431 Bachelor of Communication and Media Studies Joint Honours			range of cultural phenomena from space to the body, drawing on semiotics, structuralism, poststructuralism and cultural geography. Part III focuses on the politics of culture, linking culture to issues of social justice and adding to the repertoire of concepts to examine forms of cultural power and resistance in a variety of media ranging from film and television to music.
	Autumn	Wollongong	On Campus	
Commerce	Spring	Wollongong	On Campus	COMM100 Employment Relations
	Credit Points: 24 Pre-requisites: Completion of the Bachelor of Communications and Media Studies degree with a 70% average plus distinctions in two 300 level subjects at least one of which must be drawn from the Specialisation in which the student intends to write their thesis or complete their project; and meet the Honours pre-requisites for other discipline in the Joint Honours program. Co-requisites: None Subject Description: The 48 credit point BCM Honours program consists of two 12 credit point coursework subjects scheduled in first semester and approved by the School Honours Coordinator in collaboration with the Convenor/s of the academic unit/s concerned and will normally be composed of elements offered at 400-level. In second session candidates complete a 24-credit point thesis or project of 15,000-20,000 words or equivalent on a topic developed in consultation with the student's supervisor and approved by the Honours coordinator of the academic unit with prime responsibility for the thesis component and by the SSMAC School Honours Coordinator. Note. BCM 431 is intended for students enrolling in the Honours program only on a full time basis. Part time students should enrol in BCM 432.			
Creative Arts				Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject introduces the ways in which individuals and institutions seek to control work and the employment relationship, giving strong consideration to contexts. The subject examines the methods, institutions and structures developed by the State, employers, and employees (managerial and non-managerial) and their organisations (such as trade unions, business lobbies and think-tanks) to represent their respective interests in the administration and control of the employment relationship. It concentrates in particular on describing the skeletal structure which lies below the surface for what passes for everyday knowledge about employment and industrial relations. It offers students a way of analysing events and processes which permits investigation rather than judgment.
Education				ELL 151 English For Academic Purposes: A Second Language Perspective 1
Engineering				Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: ELL151 provides an introduction to English for Academic Purposes primarily for International students who have undertaken their school studies in a language other than English. It introduces and examines a general range of text types used in academic contexts, e.g. exposition, reports, explanations and discussions and includes both oral and written modes. This subject is the first subject leading to a major in English Language Studies.
Health & Behavioural Sciences				ELL 152 English for Academic Purposes: A Second Language Perspective 2
Informatics				Spring Wollongong On Campus Credit Points: 6 Pre-requisites: ELL151 Co-requisites: None Subject Description: ELL152 introduces students to a range of skills, resources and understandings which are vital for successful participation at university. In the context of critically examining features of the academic tradition on which Wollongong University is based, a range of resources are explored to assist students in their production of written and spoken texts in the academic style. In identifying and using these resources, students' understanding of the basic structures and grammar of
Law				
Science				

the English language is extended. Skills and strategies for listening, reading, writing and viewing in a tertiary context are explicitly introduced and practiced.

ELL 161 English For Academic Purposes: A First Language Perspective

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: ELL161 introduces students to a range of skills, resources and understandings which are vital for successful participation at university. In the context of critically examining features of the academic tradition on which Wollongong University is based, a range of resources are explored to assist students in their production of written and spoken texts in the academic style. In identifying and using these resources, students' understanding of the basic structures and grammar of the English language is extended. Skills and strategies for listening, reading, writing and viewing in a tertiary context are explicitly introduced and practiced.

ELL 171 An Introduction to Systemic Functional Linguistics

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ENGL130 or LANG110
Subject Description: This subject offers an introduction to the study of language in use, ways of describing it and ways of talking about it, i.e. a meta-language. The notion of studying language in use implies a functional perspective on language. Students are introduced to a particular functional perspective – the Systemic Functional model – which represents language as a system of choices and explores text operating within some context. There is a strong focus on the development of an understanding of the tools of linguistic analysis to describe grammar, meaning and context. This subject is a compulsory component of the English Language & Linguistics major.

ELL 271 Grammar & Discourse 1

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: ELL 171 OR ELS 171

Co-requisites: None

Exclusions: Not to count with ELS261

Subject Description: This subject consolidates and extends understandings developed in ELL 171 An Introduction to Linguistics. In particular ELL271 examines: experiential meanings which construct causation in the clause; clause complex relations: interdependency & logical relations; cohesion and the various resources through which this is achieved. The deployment of these resources in the construction of texts belonging to both the academic and non-academic registers is explored in order to highlight the differences between texts realising the two broad registers. This subject is the compulsory 200 level subject leading to a major in English Language & Linguistics.

ELL 310 World Englishes

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: Any 36cp at 100 level and any 16cp at 200 level

Co-requisites: None

Exclusions: Not to count with ELS362

Subject Description: ELL310 examines the impact of globalisation on communication with a specific focus on the role and functions of English. It traces the development of English, the spread of English across the world as a native, second and foreign language and discusses its impact on the status of other languages. It also examines the use of English in intercultural encounters. A further focus is on analysing and producing texts characteristic of global English in business, the media and education. This subject is core to the English Language and Linguistics major. It is also of specific relevance to students majoring in a language, or in communication studies with a focus on language. It is a useful adjunct to students with an interest in the interaction between language, culture and society.

ELL 314 Language and Ideology

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: ELL 171 or equivalent

Co-requisites: None

Exclusions: EDUL314

Subject Description: This subject will examine the ways in which language expresses ideology. Drawing on the Systemic Functional Linguistic tool-kit, students will develop analytical skills that will enable them to explore, from multiple perspectives, the meanings construed in texts and text types, both within cultures (including sub-cultures) and across cultures.

ELL 371 Grammar & Discourse 2

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: ELL 271

Co-requisites: None

Exclusions: Not to count with ELS361

Subject Description: This subject consolidates and extends understandings developed in ELL 271. It addresses the systems of language through which technicality and evaluation/personality are construed in a range of texts belonging to the academic register and represented in a range of university disciplines. This subject is a compulsory 300 level subject leading to a major in English Language & Linguistics.

ELL 451 Honours in English Language and Linguistics

Autumn	Wollongong	On Campus
--------	------------	-----------

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 24

Pre-requisites: Major in ELL or ELS with at least 70% average plus two Distinctions in 300 level subjects in ELL or ELS.

Co-requisites: None

Subject Description: A BA(Hons) in English Language & Linguistics comprises of coursework (50%) and a supervised thesis (50%), which has been designed to prepare students for further research in future employment or future study. Honours in ELL requires the student to:

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	(1) write three major essays totalling 11000-12000 words focusing on i) theoretical models in linguistics, ii) topics in English Language & Linguistics, and iii) methodologies in linguistics; (2) prepare and present orally a research proposal on a topic in English Language & Linguistics to be approved by the Coordinator of the ELL Major; (3) write a 15000 word dissertation based on research proposed in (2) above; and (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ELL 452.		
Commerce			
Creative Arts	ELL 452 Honours in English Language and Linguistics (PT) Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Major in ELL or ELS with at least 70% average plus two Distinctions in 300 level subjects in ELL or ELS. Co-requisites: None Subject Description: A BA(Hons) in English Language & Linguistics comprises of coursework (50%) and a supervised thesis (50%), which has been designed to prepare students for further research in future employment or future study. Honours in ELL requires the student to: (1) write three major essays totalling 11000-12000 words focusing on i) theoretical models in linguistics, ii) topics in English Language & Linguistics, and iii) methodologies in linguistics; (2) prepare and present orally a research proposal on a topic in English Language & Linguistics to be approved by the Coordinator of the ELL Major; (3) write a 15000 word dissertation based on research proposed in (2) above; and (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ELL 451		
Education			
Engineering			
Health & Behavioural Sciences	ENGL113 Contemporary Writing in Australia <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: ENGL190 Subject Description: This subject will equip students with the critical skills to interrogate ethical, moral, racial, and gender issues within the social formation of Australia and to provide them with a basic knowledge of contemporary literary theory. This should enable students to analyze a range of texts (eg. print and film), as well as a diversity of types of text (eg. short stories, poems, interviews, illustrations, plays, novels and so forth). The subject will draw attention to marginalized discourses, and will challenge the idea that particular genres (autobiography, history) are more "truthful" than others (fiction); or that particular discourses (European, Anglo-celtic) are more "valuable" than others (migrant, Aboriginal). As an introductory subject, it will provide a foundation for further studies within the discipline of English.		
Informatics			
Law			
Science			

ENGL120 An Introduction to Literature and Screen Studies		
Autumn	Shoalhaven	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Bega	On Campus
Autumn	Moss Vale	On Campus
Autumn	Wollongong	On Campus
Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject is an introduction to the 'reading' and criticism of texts in various forms and media. Students will be introduced to the principles, processes and methodologies involved in the critical 'reading' of texts drawn from prose fiction, poetry, theatre, and film.		
ENGL121 Text and Gender		
Spring	Wollongong	On Campus
Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: (ENGL108) or (ENGL110) Subject Description: This subject looks at the ways in which the concepts 'female' and 'male' are produced within a culture. Gender roles are produced according to set patterns determined in accordance with a variety of social needs and expectations. The subject examines how some of these patterns are constructed especially in literary texts. We begin with a three week section on the construction of gender and gender relations in English cultural history from the Renaissance to the late nineteenth century. Then the focus changes to concentrate specifically on the depiction of the 'female' and, to a lesser extent the 'male', in twentieth century texts. The subject will also consider the production of gender in screen media, from cinema to cyberspace. We will be looking at the ways in which the contemporary mediascape represents and re-creates gendered interaction as a source of narrative and visual pleasure.		
ENGL217 Introduction to Poetry		
<i>Not on offer in 2007</i>		
Credit Points: 8 Pre-requisites: 36cp including 6cp ENGL Co-requisites: None Subject Description: An introduction to the appreciation of poetry, and especially contemporary poetry, through exploration of basic poetic techniques, and through the writing of poetry in a variety of forms. It also includes a survey of the main theoretical approaches to the understanding of poetry. Topics include: 1. An introduction to poetry: what is it? In what ways does it differ from other texts? Some basic terms and concepts 2. The language and techniques of poetry 3. An introduction to some poetic forms from haiku to sonnet 4. An approach to the appreciation of poetry through writing		
ENGL228 English Renaissance Literature and Culture		
Autumn	Wollongong	On Campus
Credit Points: 8 Pre-requisites: 36cp including 6cp ENGL Co-requisites: None Subject Description: This subject introduces students		

to the literature and culture of the English Renaissance. It focuses on a diversity of texts including plays, poetry, autobiographical writing, historical narrative, and contemporary observations; texts written by a number of major and minor writers of the period (eg Shakespeare, Donne, Milton, Thomas Kyd, 'Ephelia', Mary Rich, Thomas Hariot, Walter Raleigh, Queen Elizabeth and others). The subject concentrates on the ways these texts inform and are informed by three major cultural contexts: the historical, the social, and the literary/generic.

ENGL229 Romantic Literature

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp including 6cp ENGL

Co-requisites: None

Subject Description: This is a study of the revolution of imagination in the late 18th and early 19th centuries – a period of exciting, daunting upheaval in political, social, scientific and aesthetic theory. Students are introduced to the philosophy of Romanticism as represented primarily through literary texts with particular emphasis on the Romantic poets (Blake, Keats, Clare, Shelley, Coleridge, Wordsworth & Byron)

ENGL230 Page to Stage: Modes of Performance

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp including 6cp ENGL

Co-requisites: None

Subject Description: This subject provides an introduction to the study of performance through text, theory, and practice. Elements of performance are explored through the study of specific scripts, and through practical work drawn from various performance modes. The connections between performances and their cultural contexts are explored, with special emphasis on gender, sexuality, politics, and nation. The subject also considers the crucial influence of genre – whether comedy, tragedy, satire, or morality play – on performance and dramatic convention. The texts in the course range from Greek tragedy through the medieval and Renaissance stages to the avant garde and experimental challenges of the twentieth century.

ENGL243 Children's and Young Adult Fantasy Literature

Summer 2007/2008 Wollongong On Campus

Credit Points: 8

Pre-requisites: (36cp including 6cp ENGL) OR (36cp including EDUF111) OR (36cp including EDUF212)

Co-requisites: None

Subject Description: The subject involves the study of some classical and some not-so-classical texts in the children's/YA area of fantasy writing. It introduces key concepts relevant to the special social and material conditions of this readership, and touches of topics of gender, educational context and sub-genre. Introductory lectures present the historical background and evolution of children's/YA fantasy, starting from folk tales and fairy tales.

ENGL244 Children's Literature in Australia

Not on offer in 2007

Credit Points: 8

Pre-requisites: (36cp 6cp ENGL) OR (36cp including EDUF111) OR (36cp including EDUF212)

Co-requisites: None

Subject Description: This subject focuses primarily on contemporary Australian Children's fiction, offers a wider context for an appreciation of literature by examining a range of texts, including some Early Australian children's literature. This subject also includes talks by major children's authors and encourages a scholarly approach to the study of children's literature.

ENGL248 Chaucer

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp including 6cp ENGL

Co-requisites: None

Subject Description: This subject involves the study of some of The Canterbury Tales of Geoffrey Chaucer in Middle English and also provides an introduction to the literary and cultural context of his time. It considers the construction and representation of gender, sexuality, love, marriage, youth and age. The subject is designed to make Chaucer accessible to modern readers, who will find the texts racy, bawdy, witty, ironic, in their coverage of a wide range of human experience.

ENGL255 Eighteenth Century Literature and Culture

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp including 6cp ENGL

Co-requisites: None

Exclusions: ENGL256

Subject Description: Eighteenth-century English literature ranges from the biting social satire of Pope and Swift to the increasing popularity at the end of the century of the 'new' genres of Feeling – the Gothic and the novel of Sensibility. The period is known for its comic writing but this subject also focuses on the work of women writers – those 'other Augustans' whose skills of social observation considerably broaden our understanding of the period.

ENGL259 An Introduction to Canadian Literature

Not on offer in 2007

Credit Points: 8

Pre-requisites: 36cp including 6cp ENGL

Co-requisites: None

Subject Description: This subject will focus primarily on contemporary Canadian fiction, but it will also offer a wider context for an appreciation of this country's literature by examining a range of texts, including prison and settler narratives, poetry and fiction by Canadian and Native writers. The subject will begin with a general lecture on Canadian social history (political, geographical and literary), and will be followed by a study of settler & convict journal extracts and First Nations' (Native Indian and Inuit) writing. The texts for this subject have been chosen to suggest a wide range of issues, styles and preoccupations in Canadian literature, and to cover, both geographically and imaginatively, the vast landscape of Canada.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	ENGL260 Nineteenth Century Australian Literary Culture		
	Autumn	Wollongong	On Campus
	Autumn	Shoalhaven	Flexible
	Autumn	Bega	Flexible
	Autumn	Batemans Bay	Flexible
Commerce	Autumn	Moss Vale	Flexible
	Credit Points: 8		
	Pre-requisites: 36cp including 6cp ENGL OR 36cp I including 6cp ARTS		
	Co-requisites: None		
	Exclusions: (ENGL236) OR (ENGL258) OR (ENGL291) OR (CCS 215)		
Creative Arts	Subject Description: This subject examines nineteenth-century Australian literary culture in the context of contemporary critical theories of gender, race, class and colonialism. Amongst other things, it examines the representation and critique of gender roles, the process by which national literary canons and national identity are constructed, and the manner in which colonial ideology played a critical role in the representation of Aboriginal people and Aboriginality in the literature of the period.		
	ENGL264 Modernism		
	Spring	Wollongong	On Campus
	Credit Points: 8		
	Pre-requisites: 36cp including 6cp ENGL		
Education	Co-requisites: None		
	Exclusions: (ENGL253)		
	Subject Description: This subject focuses on the theory and cultural production of modernism in the early decades of the 20th century. Literary texts by Kafka, Camus, Gide, Lawrence, Eliot, Woolf, Yeats, Joyce, Faulkner and Zora Neale Hurston will be read in conjunction with texts from science, psychology, art, music, literary and cultural theory.		
	ENGL265 English and Empire		
	Autumn	Wollongong	On Campus
Health & Behavioural Sciences	Credit Points: 8		
	Pre-requisites: 36cp including 6cp ENGL		
	Co-requisites: None		
	Subject Description: This subject considers supposedly 'universal' and 'neutral' English literary classics to show how the discipline of English literature arose out of imperialist expansion. It inspects colonial fiction to see how its discourse operates and it also surveys some rewriting of classics from Canada, Africa and the Caribbean exposing, parodying and subverting colonialist representations.		
	ENGL266 Literature of the Victorian Age		
Informatics	<i>Not on offer in 2007</i>		
	Credit Points: 8		
	Pre-requisites: 36cp, including 6cp ENGL		
	Co-requisites: None		
	Subject Description: The period of Queen Victoria's reign was one of paradox, characterised by a literature that was both inventive and forward looking on the one hand, and nostalgic - concerned with the forms and ideas of the past - on the other. It is a period of great social endeavour and reform in which the leading figures of the day engaged in public debate on the relationship between science and religion, the condition of the working class, and 'the woman question'. This was the age of the great public poet - Tennyson & Elizabeth Barrett Browning; of political, social and cultural essayists		
Law			
Science			

like Thomas Carlyle & Matthew Arnold; and perhaps most characteristically, of the popular novelist, including the Bronte sisters, Dickens, George Eliot & Hardy.

ENGL267 Nineteenth-Century US Literature

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp including 6cp ENGL

Co-requisites: None

Subject Description: Over the nineteenth century, the United States expanded westward across the North American continent into more or less its present form and grew from a fledgling republic into a world power. A range of often very innovative literature contributed to and critiqued the dominant ideas about American nationhood that accompanied these historical developments. This subject examines a selection of this literature (including poetry, short stories and novels) concentrating in particular on: literary genres and formal features; representations of the nation, the region, the city, and the domestic interior; issues around class, gender, ethnic and sexual identities.

ENGL312 Shakespeare, Jonson & Early Modern Dramatic Literature

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level including 8cp of ENGL

Co-requisites: None

Subject Description: A study of selected plays of the Elizabethan-Jacobean period with special reference to the relationships between the plays, contemporary English society and its concerns, and to the conditions of performance. The subject has been designed to complement the study of Shakespeare and seventeenth-century literature provided in ENGL228.

ENGL334 Critical Theory: Development and Debates

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level including 8cp of ENGL

Co-requisites: None

Subject Description: This subject is an introduction to several critical movements that have currency in contemporary literary and cultural studies: structuralism, poststructuralism, psychoanalysis, materialist and historicist approaches, feminism and theories of gender and sexuality, and theories of post-coloniality and ethnicity. The subject explores the tensions and connections between these movements, attending to the ways in which each movement approaches questions of subjectivity and textual meaning. Students are also given the opportunity in one essay to deploy theoretical concepts through the reading of a literary text.

ENGL337 Sex, Power, and Chivalry - Medieval to Modern Literature

Spring Wollongong On Campus

Spring Shoalhaven Flexible

Spring Bega Flexible

Spring Batemans Bay Flexible

Spring Moss Vale Flexible

Credit Points: 8

Pre-requisites: 16cp at 200 level including 8cp of ENGL

Co-requisites: None

Subject Description: This subject begins by providing

Science	Law	Informatics	Health & Behavioural Sciences	Engineering	Education	Creative Arts	Commerce	Arts
---------	-----	-------------	-------------------------------	-------------	-----------	---------------	----------	------

Arts	<p>PNG, Hawaii etc.) The primary focus is on works in English by ethnically indigenous writers. Classes will look at themes and literary techniques common to the region as well as specific qualities related to the societies from which the works emerge. There will be discussion about the critical evaluation and institutional recognition of 'minor' and 'regional' literatures. Note: This subject is an elective in the Asia-Pacific Studies major.</p>		
Commerce	<p>ENGL374 From Page to Screen <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 16cp at 200 level including 8cp of ENGL Co-requisites: None Subject Description: This subject examines the two different worlds of literature and film as separate entities; it also examines the 'third' world that they create when they come together. At issue will be the debate over the appropriateness and success of the process of adaptation that has raged since the very beginnings of the film industry. Although the subject will examine some of the many difficulties which are encountered when a written text is brought to the screen, or when a film is translated into a novel, an important focus of the subject will be devoted to the theoretical areas of the debate covered in adaptation theory, using numerous literary and filmic examples both past and present.</p>		
Creative Arts			
Education			
Engineering	<p>Spring Moss Vale Flexible Spring Wollongong Flexible Spring Bega Flexible Spring Shoalhaven Flexible Spring Batemans Bay Flexible Credit Points: 8 Pre-requisites: 16cp at 200 level including 8cp of ENGL Co-requisites: None Subject Description: This subject explores the interrelationship between cultural industries and the dominant story of the Australian nation. It takes into consideration a collection of texts from a variety of genres (including literature, film, television, children's literature, journalism etc) from different moments in Australian history and from many different locations. The subject considers the emergence of dominant national stories in relation to topics such as migration, urban and suburban space, interracial encounters, gender and class difference, travel to and from Australia.</p>		
Health & Behavioural Sciences			
Informatics			
Law	<p>ENGL376 Representing India Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 16cp at 200 level including 8cp of ENGL Co-requisites: None Subject Description: Survey of Indian writing in English from turn of century to present, introduction to cultural/social contexts.</p>		
Science	<p>ENGL388 From Sojourners to Global Citizens: writing from the Chinese diaspora Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 8 cp at 200 level ENGL Co-requisites: None</p>		

Subject Description: One of the most interesting developments in Western literatures over recent decades has been the emergence of writers from immigrant communities whose cross-cultural perspectives allow for a new understanding of both their home and their host nations. This subject explores fiction, poetry and life writing from the Chinese diaspora, tracing some of its major themes: immigration history; Chinatown culture; racism, cultural alienation and nostalgia; family life and generational conflict; life in pre-Communist and Communist China; globalisation and the 'new' China. The study will be informed by theories of multiculturalism, diaspora and globalisation.

ENGL411 English IV Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in English with at least 70% average plus two Distinctions at 300 level subjects in English.

Co-requisites: None

Subject Description: The Honours course consists of three subjects and a dissertation of 15,000 words. Course work constitutes 50%, and thesis 50% of the final mark. A research topic as defined by the student is approved in consultation with the Convenor of Program and the Honours Co-ordinator. A range of seminar subjects reflect staff research interests and ability. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ENGL412.

ENGL412 English IV Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in English with at least 70% average plus two Distinctions at 300 level subjects in English.

Co-requisites: None

Subject Description: The Honours course consists of three subjects and a dissertation of 15,000 words. Course work constitutes 50%, and thesis 50% of the final mark. A research topic as defined by the student is approved in consultation with the Convenor of Program and the Honours Co-ordinator. A range of seminar subjects reflect staff research interests and ability. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ENGL411.

ENGL421 Combined Honours (English)

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in English with at least 70% average plus two Distinctions in 300 level ENGL subjects and meet the honours entrance requirements in the other discipline.

Co-requisites: None

Subject Description: The combined Honours course will consist of a program of study approved by the Convenor of the English Studies Program in collaboration with the Convenor of the other Department or Program concerned. The course normally includes a combination of seminars drawn from both areas of study and a jointly

supervised thesis. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ENGL422.

ENGL422 Combined Honours (English) (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in English with at least 70% average plus two Distinctions in 300 level ENGL subjects and meet the honours entrance requirements in the other discipline.

Co-requisites: None

Subject Description: The combined Honours course will consist of a program of study approved by the Convenor of the English Studies Program in collaboration with the Convenor of the other Department or Program concerned. The course normally includes a combination of seminars drawn from both areas of study and a jointly supervised thesis. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ENGL421.

EURO220 The European Union: Post-war integration, 1945 to the Present

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level including 6cp HIST or 36cp at 100 level including 6cp POL or 36cp 100 level including 6cp AUST or 36cp at 100 level including FREN110 or 36 at 100 level including ITAL110

Co-requisites: None

Exclusions: HIST210, POL 210

Subject Description: This subject identifies and examines the political, economic and social processes driving European integration from the end of World War Two to the present. It explores the thinking behind and the development of the European Economic Community (EEC), its subsequent transformation into the European Union (EU), the influence of the US, the pivotal role of France and Germany in European integration, the relationship between nation states and supranational institutions, and the implications for Europe of the Cold War and collapse of the Soviet bloc.

EURO320 Nations without States in the European Union

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 24 credit points

Co-requisites: None

Exclusions: EURO210

Subject Description: This subject aims to study a range of European indigenous minorities and the dynamics of their relationship not only with the Nation-States within which they are situated, but also with each other. On the one hand it will look at the historical, political and economic integration of these minorities into the wider state; on the other, it will look at the linguistic and cultural elements of minorities that, together with the adoption of subsidiarity, are leading to the growing fragmentation of the European Union. Through a series of case studies of regions where a minority language is spoken, this subject will analyse how the rapid political and economic changes occurring in the European Union (EU) affect these relationships, either underpinning or undermining them.

EURO411 European Studies Honours

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in European Studies with at least 70% average plus two Distinctions at 300 level in European Studies Major.

Co-requisites: None

Subject Description: EURO 411 is the Honours year for the multidisciplinary major in European Studies. The structure of the Honours program of study will be arranged according to the disciplinary interests of enrolling students and will be decided after discussion between the Subject Co-ordinator and the relevant major co-ordinator within the Faculty of Arts or the relevant subject co-ordinator outside the Faculty if the Honours program involves a discipline outside the Faculty of Arts. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in EURO412.

EURO412 European Studies Honours (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in European Studies with at least 70% average plus two Distinctions at 300 level in European Studies Major.

Co-requisites: None

Subject Description: EURO 412 is the Honours year for the multidisciplinary major in European Studies. The structure of the Honours program of study will be arranged according to the disciplinary interests of enrolling students and will be decided after discussion between the Subject Co-ordinator and the relevant major co-ordinator within the Faculty of Arts or the relevant subject co-ordinator outside the Faculty if the Honours program involves a discipline outside the Faculty of Arts. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in EURO411.

FREN110 France and the French

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EURO110

Subject Description: This subject aims to introduce students to specific geographical, historical, cultural forces and social frameworks which contributed to shape modern France and its people. It seeks to provide essential information which forms a very basic part of every French speaker's consciousness by focusing on some of the elements of French culture which every French person possesses after finishing the minimum required education. The rationale behind such a subject is that such knowledge is assumed by every writer, journalist, film maker and students need to know that context in order to understand the various works they are studying in the Program.

FREN151 French IA Language

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>Co-requisites: None</p> <p>Subject Description: FREN151 is an interactive, semi-intensive language subject. It is the entry point to the French major for beginners or near-beginners in French. No prior knowledge of the language is assumed, but, with the objective of bringing students at least to the level of a sound HSC pass in one academic year, progress through the syllabus is rapid and highly structured. There is a dual focus on communicative and structural aspects of the language.</p>	<p>through the study of print, audio and video materials; current affairs; a systematic review and extension of basic grammar; listening and conversation activities; and exercises in written expression and reading comprehension. There is a focus on communicative, structural and cultural aspects of the language.</p>
Commerce	<p>FREN152 French IB Language Spring Wollongong On Campus Credit Points: 6 Pre-requisites: FREN151 Co-requisites: None Subject Description: The program of semi-intensive language instruction begun in FREN151 is sustained and developed in FREN152. It brings students at least to the level of a sound HSC pass by the end of the academic year. Progress through the syllabus is rapid and highly structured. There is a focus on communicative, structural and cultural aspects of the language.</p>	<p>FREN351 French IIIA Language Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: FREN252 Co-requisites: None Subject Description: This subject has analytical and functional components. A study is made of a wide range of styles and registers of written French, including literary, business and commercial texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and contemporary cultural phenomena, detailed textual analysis, advanced grammar, and translation skills.</p>
Creative Arts		
Education	<p>FREN210 France in the Twentieth Century <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: None Co-requisites: None Subject Description: This subject aims to provide an understanding of contemporary France. The main events that have occurred over the past century will be analysed with particular reference to their impact on French identity. Present-day French society with topics such as political institutions, the French economy, education, immigration, racism, etc... will be explained from a historical perspective. Through their research project students will explore the making of the specific identity of a French region.</p>	<p>FREN352 French IIIB Language Spring Wollongong On Campus Credit Points: 8 Pre-requisites: FREN351 Co-requisites: None Subject Description: This subject has analytical and functional components and continues the program begun in FREN351. A study is made of a wide range of styles and registers of written French, including literary, business and commercial texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and contemporary cultural phenomena, detailed textual analysis, advanced grammar, and translation skills.</p>
Engineering		
Health & Behavioural Sciences	<p>FREN251 French IIA Language Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: (FREN152) or (approval of Head of Program on basis of HSC French). Co-requisites: None Subject Description: This subject is the entry point to the French major for students with a sound pass in 2U HSC French (or equivalent), and the second year of language studies for beginners or near-beginners. Language skills are developed and consolidated through the study of print, audio and video materials; current affairs; a systematic review and extension of basic grammar; listening and conversation activities; and exercises in written expression and reading comprehension. There is a focus on communicative, structural and cultural aspects of the language.</p>	<p>FREN361 French IIIC Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 8 Pre-requisites: FREN252 Co-requisites: None Subject Description: This is a reading course conducted under the direct supervision of a member of staff. Topics, as determined by the Coordinator for French, will be chosen from an area of French language, literature or civilisation and provide a program of advanced work complementing the student's prior studies in French. Offer is dependent on staff availability.</p>
Informatics		
Law	<p>FREN252 French IIB Language Spring Wollongong On Campus Credit Points: 8 Pre-requisites: FREN251 Co-requisites: None Subject Description: This subject continues and expands the program established in FREN251. Language skills are developed and consolidated</p>	<p>FREN362 French IIID Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: FREN252 Co-requisites: None Subject Description: This is a reading course conducted under the direct supervision of a member of staff. Topics, as determined by the Coordinator for French, will be chosen from an area of French language, literature or civilisation and provide a program of advanced work complementing the student's prior studies in French. Offer is dependent on staff availability.</p>
Science		

Arts	HIST203 Australians and the Great War		
	Autumn	Wollongong	On Campus
	Autumn	Shoalhaven	Flexible
	Autumn	Bega	Flexible
	Autumn	Batemans Bay	Flexible
Commerce	Autumn	Moss Vale	Flexible
	Credit Points: 8		
	Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp POL or 36cp including 6cp AUST or 36cp including 6cp ARTS		
	Co-requisites: None		
	Exclusions: HIST336		
Creative Arts	Subject Description: This subject examines the impact of war on European Australian society to 1918 with an emphasis on the Home Front and the place of war as a catalyst for social change. Major themes examined include the nature of war, the geopolitical context of empire, enlistment and conscription, women and families in wartime Australia, disloyalists and 'enemies within', war and moral persuasion, the soldiers' war, grief and commemoration, and digger and Anzac as nation building myths. Selected campaigns in which Australians played a significant part will be acknowledged.		
	HIST216 Ancient History: Greece		
	Autumn	Wollongong	On Campus
	Credit Points: 8		
	Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST		
Education	Co-requisites: None		
	Exclusions: Not to count with HIST205		
	Subject Description: This subject covers the history of Greece from the Archaic period to the Hellenistic kingdoms. After a background survey of Egypt and Mesopotamia it examines the development of the Greek polis, with particular emphasis on Athens and Sparta, the classical age of Athens, the Peloponnesian War and its effects, Alexander the Great and the diffusion of Greek culture through the Hellenistic Kingdoms. Themes to be explored include the nature of Athenian democracy, Attic tragedy, the role of women, militarism.		
	HIST217 Ancient History: Rome		
	Spring	Wollongong	On Campus
Engineering	Credit Points: 8		
	Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST		
	Co-requisites: None		
	Exclusions: Not to count with HIST205		
	Subject Description: This subject examines the history of Rome from the early republic to the collapse of the Western Empire in the fifth century CE. As well as providing a general survey of Roman History it will also focus on a number of key themes. These could include: the republican system of government, women in Rome, the significance of the military, Roman culture, slavery, the rise of Christianity, crises of the later empire. Some comparison with other contemporary Eurasian empires will be made.		
Health & Behavioural Sciences	HIST217 Ancient History: Rome		
	Spring	Wollongong	On Campus
	Credit Points: 8		
	Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST		
	Co-requisites: None		
Informatics	Exclusions: Not to count with HIST205		
	Subject Description: This subject examines the history of Rome from the early republic to the collapse of the Western Empire in the fifth century CE. As well as providing a general survey of Roman History it will also focus on a number of key themes. These could include: the republican system of government, women in Rome, the significance of the military, Roman culture, slavery, the rise of Christianity, crises of the later empire. Some comparison with other contemporary Eurasian empires will be made.		
	HIST217 Ancient History: Rome		
	Spring	Wollongong	On Campus
	Credit Points: 8		
Law	Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST		
	Co-requisites: None		
	Exclusions: Not to count with HIST205		
	Subject Description: This subject examines the history of Rome from the early republic to the collapse of the Western Empire in the fifth century CE. As well as providing a general survey of Roman History it will also focus on a number of key themes. These could include: the republican system of government, women in Rome, the significance of the military, Roman culture, slavery, the rise of Christianity, crises of the later empire. Some comparison with other contemporary Eurasian empires will be made.		
	HIST217 Ancient History: Rome		
Science	Spring		
	Wollongong		
	On Campus		
	Credit Points: 8		
	Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST		

Co-requisites: None

Subject Description: 'Gallipoli' occupies a significant place in Australia's history. This subject takes students to Turkey and the Peninsula to place 'Gallipoli' within its physical and cultural context. It examines Troy, Constantinople and the Ottoman Empire to provide the broad historical and cultural context for the study tour, the campaign in 1915 with a special emphasis on the Anzac sector and notions of pilgrimage, commemoration and grief. Lectures and seminars provide the introduction to the subject and will be followed by in situ seminars in Turkey and a debriefing seminar on returning to the main campus. Students will spend a week in Turkey.

HIST232 Russia in War and Revolution

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp POL or 36cp including 6cp AUST

Co-requisites: None

Subject Description: This subject looks at a broad sweep of Russian history from the Vikings to the collapse of the Soviet Union in comparative context. Topics dealt with in detail include early Russia, the Mongols, the tsars, the Russian revolution, the Soviet Union and the Gorbachev era. The subject investigates the crucial role Russia has played in world history.

HIST239 A Cultural History of Water

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level; 36cp at 100 level including 6cp ARTS

Co-requisites: None

Subject Description: Water has become the dominant issue in environmental debates worldwide, and achieving a balance between water needs and protecting water resources is one of the most urgent issues of the 21st century. This subject focuses on the history of water as central to Australian culture from a variety of perspectives. It explores inland river systems through early colonial hopes in a mythical inland sea and the ambitions invested in irrigation; the crisis in urban water supply considers our changing orientations to the oceans around us; and examines some of the recreational uses of water through the history of swimming, beaches, lifesaving and surfing. The subject looks at the ways water has a history, and how that history is crucial to thinking about how we want to live in the future.

HIST255 Australia and Asia: Connections and Comparisons

Not on offer in 2007

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Subject Description: Australia's place in the Asia-Pacific region will be considered in the light of historical connections and comparisons between Australia and Asia, with an emphasis on late nineteenth and twentieth century history. Themes explored include experiences of colonialism; Asian migration and multiculturalism; comparative studies of citizenship and labour relations; and changing Asian-Australian relations in the aftermath of World War Two.

Arts	<p>Co-requisites: None</p> <p>Subject Description: This subject examines the forces determining the position of women in Australian society in the twentieth century. It begins with the demographic transition of the 1890s and explores the effects of reduced fertility on marriage and family formation in the twentieth century and how these changes affected the lives of women. Analysis of the domestic ideology and the rise of women's liberation are major themes. How structural change in the Australian economy affected women's life chances by creating or limiting their education and employment forms is an important area of enquiry.</p>		
Commerce	<p>HIST322 Nazism, Stalinism and World War Two</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 16cp HIST at 200 level; or 6cps ARTS and 16cps at 200 level.</p> <p>Co-requisites: None</p> <p>Subject Description: Some political commentators claim that we now live in an era of terror or that we are witnessing a Third World War, evoking memories of the Hitler and Stalin eras of the 1930s and 40s. How valid are such comparisons? How did Nazism and Stalinism function? Were Nazism and Stalinism simply different versions of the totalitarian nightmare or very different systems that reflected different ideologies and/or the distinctive national histories of Russia and Germany? How important was the legacy of Nazism and Stalinism for international relations after World War Two? Could Nazism or Stalinism arise once more? This subject will help students to answer these questions in the light of the most recent scholarship and contemporary debates.</p>		
Creative Arts			
Education			
Engineering			
Health & Behavioural Sciences	<p>HIST325 Theory and Method of History</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 16cp at 200 level HIST</p> <p>Co-requisites: None</p> <p>Subject Description: This subject investigates theory and practice of contemporary historical enquiry. Theoretical issues examined include: causation in historical enquiry; types of explanation; facts versus values; varieties of history writing; the production and status of historical knowledge. Methodology issues include: formulating research problems; planning and undertaking research; understanding and using secondary and primary sources; accessing and retrieving research information.</p>		
Informatics			
Law	<p>HIST334 Regional History</p> <p>Autumn Shoalhaven Flexible</p> <p>Autumn Bega Flexible</p> <p>Autumn Batemans Bay Flexible</p> <p>Autumn Wollongong On Campus</p> <p>Autumn Moss Vale Flexible</p> <p>Credit Points: 8</p> <p>Pre-requisites: 16cp at 200 level HIST OR 6cp ARTS plus 8cp at 200 level HIST</p> <p>Co-requisites: None</p> <p>Subject Description: Regional studies approach history from the perspective of place. They examine the response of regional and local communities to the general responses identified by historians. This subject</p>		
Science			

examines the nature of regional identity, place and landscape using both theoretical literature and case studies. The regions chosen can vary from year to year.

HIST339 Australians and War: From Kokoda to Iraq

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level HIST

Co-requisites: None

Exclusions: hist336

Subject Description: This subject examines the impact of war on Australian society between 1939 and 2004. Its focus is the Home Front and the place of war as a catalyst for social change. Major themes examined include the geopolitical context for war, enlistment and conscription, women and families in wartime Australia, Indigenous Australians and war, social and political change, prisoners and internees, opposition to war, the place and power of returned service personnel organisations and the place of war in popular culture. Special attention is paid to Australia's 'Asian wars', especially the war against Japan and the Vietnam conflict. Contemporary military commitments round out the subject.

HIST340 New approaches to Australian urban and rural working class history

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16cp at 200 level HIST

Co-requisites: None

Subject Description: This subject examines new approaches to the social and cultural history of the Australian working class between 1840 and 1930. It provides a critical examination of the relationship between working class lived experience of capitalism and the development of individual and collective working class responses, identities and cultures. The subject examines class experience from the point of view of gender, ethnicity, Aboriginality as well as class. To do so it draws on working class biography, oral history, labour process history, feminist labour history, rural and urban history.

HIST341 The Struggle for Europe, 1494-1713

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16cp at 200 level HIST

Co-requisites: None

Subject Description: This subject will examine the rivalry and wars between two 'new monarchies', France and Spain, as they fought across western Europe in the 16th and 17th centuries to gain the balance of power, and then fought for the control of Spain itself. It will look at the Franco-Spanish wars between 1494 and 1713, wars which determined not only the future political map of Europe but also the nature of warfare.

HIST342 Sickness and death: Social history and public health in Australia

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level HIST

Co-requisites: None

Subject Description: Examines the history of the identification of and responses to sickness, death and disease in colonial and post-colonial Australia. It will use case studies to investigate the historical roles of doctors, nurses and other health professionals and the history of public health agencies in Commonwealth and State governments. The case studies will also examine the history of the health of indigenous Australians and ethnic minorities and public health concerns arising from urban growth, immigration and industry. In the case studies, a particular emphasis will be placed on the use of primary documents such as parliamentary papers, archival manuscripts, films, photographs and oral histories.

HIST350 Debates in Australian Cultural History

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 24cp at 200 level

Co-requisites: None

Exclusions: AUST300

Subject Description: This subject focuses on the ways that contested versions of Australia's past have animated public debates in recent years. It explores the new theoretical approaches to history-making and the new areas of historical research that have emerged in the last half of the twentieth century. The subject highlights the ways that past events are never fully fixed in historical narratives, but are revisited as each generation returns to the past with different questions, based on their own experiences and concerns. It considers debates between Australian historians, sometimes dubbed the 'History Wars', and how they have been expressed within political life and cultural institutions. Topics covered will include debates about the size and composition of the Australian population; Australia as both a colonised and colonising nation; the extent of frontier violence; visions of Australian landscape; the emergence of identity politics; museum practice; and who is authorised to tell the national story.

HIST379 Culture and Identity in Indonesian History, 1870-2002

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16cp at 200 level HIST

Co-requisites: None

Subject Description: Examines Indonesian experience and perceptions of the modern age. Using novels, autobiographies, films and other texts the subject examines the roles of Javanese and other cultures in Indonesian nationalism, Dutch colonialism, the Revolution, the politics of culture in post-Revolution Indonesia, the rise of the military and the role of Socialism. Particular attention is paid to the ideology of development in Suharto's Indonesia, using tourism in Bali as a case study.

HIST394 Commodification History

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200-level HIST

Co-requisites: None

Subject Description: Commodification history studies the historical processes that lead to the increasing commodification of everyday life. The subject studies historical examples of commodification in Australia and Asian-Pacific societies, including

labour, consumption, aboriginality, art and culture, sport, human reproduction, nature, and information. The course emphasises the social, political and cultural dimensions of commodification, when understood as a site of struggle or alliance between social groups [classes, genders, ethnicities, sexualities]. The course also examines the relationship between commodification and the construction of selfhood in different societies. The specific case studies can vary from year to year.

HIST411 History IV (Honours)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in History with at least 70% average (including HIST325) plus two Distinctions at 300 level subjects in History.

Co-requisites: None

Subject Description: A History Honours program comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. The two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in History is an exploration of theoretical literature through reading, discussion and writing. Half of the subject is the development, research and writing of a 15,000 - 18,000 word research thesis under the supervision of an academic at the University of Wollongong. Students will begin to work with the supervisor during their first session of candidature with the goal of producing a thesis proposal by the end of that session.

HIST412 History IV (Honours) (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in History with at least 70% average (including HIST325) plus two Distinctions at 300 level subjects in History.

Co-requisites: None

Subject Description: A History Honours program comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. The two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in History is an exploration of theoretical literature through reading, discussion and writing. Half of the subject is the development, research and writing of a 15,000 - 18,000 word research thesis under the supervision of an academic at the University of Wollongong. Students will begin to work with the supervisor during their first year of candidature with the goal of producing a thesis proposal by the end of that year. Part time students are expected to complete the coursework before beginning the major work on the thesis.

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	HIST431 Joint Honours in History and Another Discipline		
	Autumn	Wollongong	On Campus
Commerce	Spring	Wollongong	On Campus
	Credit Points: 24 Pre-requisites: Major in History with at least 70% average (including HIST325) plus two Distinctions at 300 level subjects in History and meet the Honours entrance requirements for the other discipline. Co-requisites: None Subject Description: An interdisciplinary honours program incorporating history comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. At least two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness or similar in another discipline develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in History is an exploration of theoretical literature through reading, discussion and writing. Other disciplines offer similar theoretical seminars. Half of the subject is the development, research and writing of a 15,000 – 18,000 word research thesis under the supervision of an academic from each discipline at the University of Wollongong. Students will begin to work with supervisors during their first session of candidature with the goal of producing a thesis proposal by the end of that session. NOTE – Students must meet with School Honours Coordinators to determine the precise construction of the coursework component well before the beginning of the session in which they intend to begin study.		
Creative Arts			
Education			
Engineering			
Health & Behavioural Sciences	HIST432 Joint Honours in History and Another Discipline (PT)		
	Autumn	Wollongong	On Campus
Informatics	Spring	Wollongong	On Campus
	Credit Points: 12 Pre-requisites: Major in History with at least 70% average (including HIST325) plus two Distinctions at 300 level subjects in History and meet the Honours entrance requirements for the other discipline. Co-requisites: None Subject Description: An interdisciplinary honours program incorporating history comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. At least two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness or similar in another discipline develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in History is an exploration of theoretical literature through reading, discussion and writing. Other disciplines offer similar theoretical seminars. Half of the subject is the development, research and writing of a 15,000 – 18,000 word research thesis under the supervision of an academic from each discipline at the University of Wollongong. Students will begin to work with supervisors during their first year of candidature with the goal of producing a thesis proposal by the end of that year.		
Law			
Science			

NOTE – Students must meet with School Honours Coordinators to determine the precise construction of the coursework component well before the beginning of the session in which they intend to begin study.

ITAL110 Italy and the Italians

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EURO110

Subject Description: This subject aims to introduce students to specific geographical, historical, cultural forces and social frameworks which contributed to shape modern Italy and its people. It seeks to provide essential information which forms a very basic part of every Italian speaker's consciousness by focussing on some of the elements of Italian culture which every Italian person possesses after finishing the minimum required education. The rationale behind such a subject is that such knowledge is assumed by every writer, journalist, film maker and students need to know that context in order to understand the linguistic and cultural aspects of Italy studied in their other subjects. The subject provides an introduction to the basic elements of geography, history and society of Italy. It initially examines how geography has shaped the cultural and economic life of Italy's regions over many centuries. It then focuses on the Italian Renaissance and traces the history of the Italian state from unification until the present.

ITAL151 Italian IA Language

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: LANG153 or ITAL103

Subject Description: Italian 151 is a semi-intensive introductory subject in reading, writing, listening and speaking Italian for students with no previous knowledge of the language. It is the entry point to the Italian major for beginners or near-beginners in Italian. This subject provides an introduction to the Italian language using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. It is designed to give students grounding in the skills they need to understand and use Italian in a range of contexts. Use is made of different media including audiovisual material and computer-aided language teaching. Class time is divided between interactive language work, linguistic reflection and introduction to Italian culture and society.

ITAL152 Italian IB Language

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ITAL151

Co-requisites: None

Subject Description: The program of semi-intensive language instruction begun in ITAL151 is sustained and developed in ITAL152. It brings students to a level of a sound HSC pass by the end of the academic year. In this subject the Italian language is reinforced using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. It is designed to give students

grounding in the skills they need to understand and use Italian in a range of contexts. Use is made of different media including audiovisual material and computer-aided language teaching. Class time is divided between interactive language work, linguistic reflection and introduction to Italian culture and society.

ITAL251 Italian IIA Language

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: ITAL252

Co-requisites: None

Exclusions: EURO251 OR ITAL205

OR LANG251 OR MLCI205

Subject Description: This subject is the entry point to the Italian major for students with a sound pass in 2U HSC Italian (or equivalent), and the second year of language studies for beginners or near-beginners. In this subject language skills are developed and consolidated through the study of print, audio and video materials; current affairs; a systematic review and extension of basic grammar; listening and conversation activities; and exercises in written expression and reading comprehension. There is a focus on communicative, structural and cultural aspects of the language.

ITAL252 Italian IIB Language

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: ITAL251

Co-requisites: None

Exclusions: EURO252 OR ITAL206

OR LANG252 OR MLCI206

Subject Description: This subject continues and expands the program established in ITAL251. Language skills are developed and consolidated through the study of print, audio and video materials; current affairs; a systematic review and extension of basic grammar; listening and conversation activities; and exercises in written expression and reading comprehension. There is a focus on communicative, structural and cultural aspects of the language.

ITAL351 Italian IIIA Language

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: ITAL252

Co-requisites: None

Exclusions: EURO351 OR ITAL305

OR LANG351 OR MLCI305

Subject Description: This subject has functional and analytical components. It aims to develop students' language proficiency and extend students' knowledge of contemporary Italian culture and society. A study is made of a wide range of styles and registers of written Italian, including literary and linguistic texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and salient issues in contemporary Italy, detailed textual analysis, advanced grammar and focus and reflection on form and register.

ITAL352 Italian IIID Language

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: ITAL351

Co-requisites: None

Exclusions: EURO352 OR ITAL306

OR LANG352 OR MLCI306

Subject Description: This subject has functional and analytical components and continues the program begun in ITAL351. It aims to develop students' language proficiency and extend students' knowledge of contemporary Italian culture and society. A study is made of a wide range of styles and registers of written Italian, including literary and linguistic texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and salient issues in contemporary Italy, detailed textual analysis, advanced grammar and focus and reflection on form and register.

ITAL391 Italian Study Abroad A

Not on offer in 2007

Credit Points: 8

Pre-requisites: ITAL252

Co-requisites: None

Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Italian language, literature or civilisation undertaken at an Italian university. These subjects must be approved by the Convener of Italian BEFORE the student's departure for study abroad.

ITAL392 Italian Study Abroad B

Not on offer in 2007

Credit Points: 8

Pre-requisites: ITAL252

Co-requisites: None

Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Italian language, literature or civilisation undertaken at an Italian university. These subjects must be approved by the Convener of Italian BEFORE the student's departure for study abroad.

ITAL393 Italian Study Abroad C

Not on offer in 2007

Credit Points: 8

Pre-requisites: ITAL252

Co-requisites: None

Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Italian language, literature or civilisation undertaken at an Italian university. These subjects must be approved by the Convener of Italian BEFORE the student's departure for study abroad.

ITAL451 Italian IV Honours

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in Italian with at least 70% average plus two Distinctions at 300 level Italian.

Co-requisites: None

Subject Description: To be awarded a BA(Hons) in Italian students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in Italian studies to be approved by the Italian Honours Coordinator. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, or methodological processes; (3) deliver an oral presentation

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	of the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in Italian and at least one in English, the mix to be determined by the Italian Honours Coordinator. The oral presentation may be delivered in either Italian or English. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ITAL452.
Commerce	ITAL452 Italian IV Honours (PT) Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 12 Pre-requisites: Major in Italian with at least 70% average plus two Distinctions at 300 level Italian. Co-requisites: None Subject Description: To be awarded a BA(Hons) in Italian students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in Italian studies to be approved by the Italian Honours Coordinator. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, or methodological processes; (3) deliver an oral presentation of the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in Italian and at least one in English, the mix to be determined by the Italian Honours Coordinator. The oral presentation may be delivered in either Italian or English. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ITAL451.
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	JAPA101 An Introduction to Japanese Summer 2007/2008 Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: (JAPA102) or (JAPA103) Subject Description: This subject is not part of the Japanese major, but is being offered as an elective subject in the Summer Session. It is designed for students with no prior knowledge of the Japanese language. It will introduce the syllabaries of Japanese, Hiragana and Katakana and survival language functions relevant to contemporary contexts. NOTE: This subject is for beginners. Cannot be taken with JAPA102/103 or any JAPA subject above JAPA141 level. This subject has been offered in summer session, but may not be offered every year. The timetable for summer session subjects is available on the web in October of each year.
Informatics	
Law	JAPA102 Japanese Studies for Educational Purposes Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: (JAPA101) or (JAPA103) Subject Description: This subject provides the opportunity for students in Education to become equipped to teach Japanese in primary schools. It is not part of the Japanese major, but is being offered
Science	

as an elective subject in the Bachelor of Education (Primary). It is designed for students with no prior knowledge of the Japanese language. It will introduce the syllabaries of Japanese, Hiragana and Katakana and survival language functions relevant to educational contexts. It will also survey current issues in Japanese education. It is divided into language seminars and language teaching methodology lectures.

JAPA103 Japanese Studies for Business Purposes

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: (JAPA101) or (JAPA102)

Subject Description: This subject is not part of the Japanese major, but is being offered as an elective subject targeting students enrolled in the Bachelor of Commerce. It is designed for students with no prior knowledge of the Japanese language. JAPA103 will introduce the syllabaries of Japanese, Hiragana and Katakana, and survival language functions relevant to commerce contexts. It will also survey current issues in Japanese business. It is divided into language seminars and Japanese economics and business studies lectures.

JAPA110 Japan and the Japanese

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The subject aims to provide an understanding of modern Japan both from political and cultural viewpoints. It will familiarise students with some of the general trends, important milestones and main issues that have influenced the formation of modern Japan by surveying major developments in Japanese history from the late Tokugawa period onwards. The approach is chronological, and will focus on political developments as well as social and cultural aspects of Japan's transformation in the last 150 years. Discussion of such transformation will provide the context for consideration of contemporary issues in modern Japan. Educated modern Japanese nationals assume such knowledge and students need to know this context in order to develop an appreciation of aspects necessary for any intellectual interaction, linguistic or cultural, with Japan and its people.

JAPA141 Beginners' Japanese I

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: JAPA151

Subject Description: This subject introduces the basics of Japanese language covering the pronunciation and the writing of the hiragana and katakana syllabaries and kanji (Chinese) characters, as well as basic Japanese sentence construction. A situational approach will be used, with each lesson building on vocabulary, grammar and presenting students with increasingly complex situations.

JAPA142 Beginners' Japanese II

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: (JAPA151) or (JAPA141)

Co-requisites: None

Exclusions: JAPA152

Subject Description: The program begun in JAPA141 is continued and expanded and its aims are to further develop the interrelated goals of Japanese language learning, which include communication, sociocultural skills, learning how-to-learn, language and cultural awareness, and general knowledge of Japan and Japanese.

JAPA143 Beginners' Japanese III

Summer 2007/2008 Wollongong On Campus

Credit Points: 8

Pre-requisites: (JAPA152) or (JAPA142)

Co-requisites: None

Exclusions: (JAPA153) or (JAPA154)

Subject Description: This subject continues and expands the program begun in JAPA141 and JAPA142. This subject is set between the beginners and the intermediate Japanese course, and its aims are to further develop the interrelated goals of Japanese language learning, which include communication, sociocultural skills, learning how-to-learn, language and cultural awareness, and general knowledge of Japan and Japanese. This subject has been offered in summer session, but may not be offered every year. The timetable for summer session subjects is available on the web in October of each year.

JAPA161 Post HSC Japanese I

Not on offer in 2007

Credit Points: 6

Pre-requisites: (Pass in 2Unit/3Unit HSC equivalent).

Co-requisites: None

Subject Description: Students who have completed HSC Japanese should enrol in JAPA261. This subject is for students who have studied Japanese at 2 Unit HSC level. It develops skills in speaking, listening to, reading and writing Japanese. It also continues the study of the social context of Japan and the aesthetic use of the language. The subject concentrates on developing language study skills, computer skills and an analytic understanding of the Japanese language in general.

JAPA162 Post HSC Japanese II

Not on offer in 2007

Credit Points: 6

Pre-requisites: JAPA161

Co-requisites: None

Subject Description: This subject is for students who have achieved minimum 50% in JAPA 161 or the equivalent. It continues to develop skills in speaking, listening to, reading and writing Japanese. It also continues the study of the social context of Japan and the aesthetic use of the language. The subject concentrates on developing language study skills, computer skills and an analytic understanding of the Japanese language in general.

JAPA261 Intermediate Japanese I

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: (JAPA153) or (JAPA143)

or (JAPA162) or (JAPA154)

Co-requisites: None

Subject Description: This subject is a continuation of JAPA143 & JAPA162 and continues and expands the

program begun in JAPA141/151/161. It provides students with the opportunity to further build on and improve Japanese written and aural skills at an intermediate level.

JAPA262 Intermediate Japanese II

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: JAPA271 OR JAPA264

Co-requisites: None

Subject Description: This subject is a continuation of JAPA261 and JAPA271 or JAPA264. It continues the program begun in JAPA141, JAPA151 and JAPA161. It provides students with the opportunity to further build on and improve Japanese written and aural skills at an intermediate level.

JAPA264 Japanese IIC Language (Wollongong)

Winter Wollongong On Campus

Credit Points: 8

Pre-requisites: (JAPA261)

Co-requisites: None

Exclusions: JAPA271

Subject Description: JAPA264 is a semi-intensive language subject offered during the winter session ONLY for students who have successfully completed JAPA261 and are unable to do JAPA271 (In-country Japanese Session). The subject builds on what has been achieved in Japanese language learning up to the end of JAPA261 and attempts to provide an alternative to students who cannot participate in JAPA271 for valid reasons. It is a directed intensive study subject worth 8 credit points.

JAPA271 In-country Japanese session

Not on offer in 2007

Credit Points: 8

Pre-requisites: (JAPA261)

Co-requisites: None

Exclusions: JAPA264

Subject Description: The in-country Japanese session requires the students to live with a Japanese host family in Kawasaki (Wollongong's sister city) and attend all lectures/seminars/excursions that are arranged in order to enhance both language and cultural understanding. Excursions include visits to schools and university, and seminars include cultural experiences such as learning how to put on kimonos and to conduct tea ceremony. Experiences include opportunities for public speaking in Japanese which are also assessed as part of the subject.

JAPA310 Japanese Economics and Media

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: (JAPA262)

Co-requisites: None

Subject Description: JAPA310 introduces students to the study of the language of Japanese economics and media using Japanese material to enhance understanding of socioeconomic issues of Japan. Students are required to analyse the content of Japanese news on TV and in newspapers and journals. Research projects in English on given topics related to the Japanese economy and society further expand understanding of aspects of socioeconomic issues in Japan.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	JAPA361 Advanced Japanese I Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: (JAPA262) Co-requisites: None Subject Description: JAPA361 is an interactive, semi-intensive language subject. The subject builds on what has been achieved in the Japanese language learning up to the end of JAPA 262.
Commerce	JAPA362 Advanced Japanese II Spring Wollongong On Campus Credit Points: 8 Pre-requisites: (JAPA361) Co-requisites: JAPA310 Subject Description: JAPA362 is an interactive, semi-intensive language subject. The subject builds on what has been achieved in the Japanese language learning up to the end of JAPA 361.
Creative Arts	JAPA451 Japanese IV Honours Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 24 Pre-requisites: Major in Japanese with at least 70% average plus two Distinctions at 300 level subjects in Japanese. Co-requisites: None Subject Description: A BA (Hons) in Japanese comprises of coursework (50%) and a supervised thesis (50%) and is designed to prepare students for further research in future employment or study. Honours in Japanese requires the student to: (1) write two to three major essays totalling 11000-12000 words (eg, 3 x 4,000 wds or language equivalent) focusing on designated theoretical issues, current academic debate, or methodological processes; (2) prepare and present a research proposal on a topic in Japanese studies to be approved by the Co-ordinator of Japanese Honours; (3) write a 15000 word dissertation based on the research proposal in (2) above; and (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in Japanese and at least one in English, the mix to be determined by the Japanese Honours Coordinator. The dissertation will be assessed by one internal and one external examiner. For select students who have been given permission to study in a Japanese university during their Honours year the assessment will be modified to suit the programme of study. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in JAPA452.
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	JAPA452 Japanese IV Honours (PT) Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Major in Japanese with at least 70% average plus two Distinctions at 300 level subjects in Japanese. Co-requisites: None Subject Description: A BA (Hons) in Japanese comprises of coursework (50%) and a supervised thesis (50%) and is designed to prepare students for further research in future employment or study. Honours
Science	

in Japanese requires the student to: (1) write two to three major essays totalling 11000-12000 words (eg, 3 x 4,000 wds or language equivalent) focusing on designated theoretical issues, current academic debate, or methodological processes; (2) prepare and present a research proposal on a topic in Japanese studies to be approved by the Co-ordinator of Japanese Honours; (3) write a 15000 word dissertation based on the research proposal in (2) above; and (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in Japanese and at least one in English, the mix to be determined by the Japanese Honours Coordinator. The dissertation will be assessed by one internal and one external examiner. For select students who have been given permission to study in a Japanese university during their Honours year the assessment will be modified to suit the programme of study. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in JAPA451.

JAPA551 Japanese Studies Abroad

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: A University Bachelor degree in Japanese/Japanese Studies.

Co-requisites: None

Subject Description: This course involves the study for one full academic year at a Japanese University. It is open to all students who have majored in Japanese. Students will be placed into the host university's language and culture programme. In order to pass the subject, a 'pass' must be obtained in all subjects at the host institution and in a final exit test upon return to Wollongong. Students successfully completing this subject will be awarded the Graduate Diploma in Arts (Japanese). Alternatively, select students with the necessary qualifications and who are interested in research in an area of Japanese studies may have the coursework carried out in Japan credited towards an Honours degree in Japanese. NOTE: This subject is intended only for students enrolling on a full-time basis. Part-time students should enrol in JAPA552.

JAPA552 Japanese Studies Abroad (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: A university degree

Co-requisites: None

Subject Description: This course involves the study for one full academic year at a Japanese University. It is open to all students who have majored in Japanese. Students will be placed into the host university's language and culture programme. In order to pass the subject, a 'pass' must be obtained in all subjects at the host institution and in a final exit test upon return to Wollongong. Students successfully completing this subject will be awarded the Graduate Diploma in Arts (Japanese). Alternatively, select students with the necessary qualifications and who are interested in research in an area of Japanese studies may have the coursework carried out in Japan credited towards an Honours degree in Japanese. NOTE: This subject is intended only for students enrolling on a part-time basis. Full-time students should enrol in JAPA551.

LANG196 Chinese (Mandarin) Level 1*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** None**Co-requisites:** None

Subject Description: This subject aims to equip students with survival skills in speaking and listening to Mandarin Chinese, and to give them an introduction to the writing system. It will also give students some grasp of the social context of the language.

LANG197 Chinese (Mandarin)*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** LANG196 or equivalent.

(Students who have not completed LANG196 but have completed an equivalent subject need the approval of the subject co-ordinator to enrol).

Co-requisites: None**LANG198 Chinese (Mandarin) - Intermediate Level for Other Dialect Speakers***Not on offer in 2007***Credit Points:** 6**Pre-requisites:** LANG196 or equivalent.

(Students who have not completed LANG196 but have completed an equivalent subject need the approval of the subject co-ordinator to enrol).

Co-requisites: None

Subject Description: It is designed for students from a Chinese background who speak dialects other than Mandarin. Applicants should have already acquired a near intermediate level of Chinese prior to the course. The subject aims to further develop students' four basic language skills - listening, speaking, reading and writing. Special attention will be given to the dialects they speak and to improvement in students' pronunciation in Mandarin. Emphasis will be on the practical use of the language, both oral and written.

LANG305 Literature and Society in Renaissance Europe

Autumn Wollongong On Campus

Credit Points: 8**Pre-requisites:** 24 credit points**Co-requisites:** None

Subject Description: The Renaissance constitutes a crucial period in Western civilisation. It saw a re-orientation of the arts and sciences which deeply influenced the course of European, and indeed world history. The subject will begin by examining the works of Dante Alighieri and will proceed to stress the contradictory nature of the Renaissance, concentrating on Italy and France. It will examine the literature (with works by Boccaccio, Petrarch, Machiavelli, Vasari, Rabelais, Montaigne, Ronsard, Du Bellay), art, and learning of the period, while exploring underlying social and political tensions.

LANG371 Advanced Studies in Language/Culture A

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 8cp in second semester of 200-level language subjects

Co-requisites: None

Subject Description: This is a reading subject offered under the direct supervision of a member of staff. Topics, as determined by the Convener of Modern Languages in consultation with the Convener of the relevant strand of the Modern Languages Program (English Language Studies, French, Italian, Japanese, Spanish), will be chosen from an area of relevant language or cultural studies. It will provide a program of advanced work complementing the student's prior studies in the language. Enrolment will only be approved following consultation with the Convener of the relevant major.

LANG372 Advanced Studies in Language/Culture B

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 8cp in second semester of 200-level language subject

Co-requisites: None

Subject Description: This is a reading subject offered under the direct supervision of a member of staff. Topics, as determined by the Convener of Modern Languages in consultation with the Convener of the relevant strand of the Modern Languages Program (English Language Studies, French, Italian, Japanese, Spanish), will be chosen from an area of relevant language or cultural studies. It will provide a program of advanced work complementing the student's prior studies in the language. Enrolment will only be approved following consultation with the Convener of the relevant major.

LANG373 Advanced Studies in Language/Culture C

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** None**Co-requisites:** None

Subject Description: This is a reading course offered under the direct supervision of a member of staff in the student's chosen area of specialisation in the Modern Languages Program. This subject provides an opportunity for upper level students in French, Italian, Japanese or English Language Studies to pursue a program of advanced work in approved areas of linguistic or cultural studies in the relevant language. For details of availability of topics offered, students should consult the Convener of their language strand. Enrolment will only be approved following consultation with the Convener of the relevant major.

LANG431 Combined French and Italian Honours

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Majors in French and Italian with at least 70% average plus two Distinctions at 300 level subjects.

Co-requisites: None

Subject Description: To be awarded a BA(Hons) in French and Italian students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in French or Italian studies to

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science

Arts	be approved by the French and Italian Honours Coordinators. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, and methodological processes; (3) deliver an oral presentation on the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in French and at least one in Italian, the mix to be determined by the Honours Coordinators. The oral presentation may be delivered in French, Italian or English. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in LANG432.		
Commerce			
Creative Arts	LANG432 Combined French and Italian Honours (PT) Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Majors in French and Italian with at least 70% average plus two Distinctions at 300 level subjects. Co-requisites: None Subject Description: To be awarded a BA(Hons) in French and Italian students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in French or Italian studies to be approved by the French and Italian Honours Coordinators. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, and methodological processes; (3) deliver an oral presentation on the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in French and at least one in Italian, the mix to be determined by the Honours Coordinators. The oral presentation may be delivered in French, Italian or English. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in LANG431.		
Education			
Engineering			
Health & Behavioural Sciences			
Informatics	LING210 Communicating in a Foreign Language Spring Wollongong On Campus Credit Points: 8 Pre-requisites: None Co-requisites: None Exclusions: Not to count with LANG210 Subject Description: LING210 is designed for students studying a foreign or second language. It introduces phonetics & phonology; aspects of language acquisition, especially second language acquisition [SLA]; the linguistic, socio-cultural and personal factors which affect SLA; bilingualism as an individual and societal phenomenon as a means for better understanding the process of learning a second language. This subject is a second year core subject for majors in English Language and Linguistics, French, Italian, Japanese.		
Law			
Science	MACS200 Media Events and Rituals Spring Wollongong On Campus Credit Points: 8		

Pre-requisites: 36 credit points at 100 level including CCS105 or MACS105 or SSMAC100

Co-requisites: None

Exclusions: CCS 200

Subject Description: This subject is concerned with the saturation of local, national and transnational life by media representations of reality and the implicit claim that the media have the power and authority to speak 'for us'. The symbolic power the media, particularly television, exerts in ritualizing and framing a shared social world is critically examined in an analysis of theories of ritual and media practices such as awards nights, commemorations, disasters, weddings, funerals, telethons and spectacular media events.

MACS207 Culture: central problems and critical debates

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level including CCS

105 OR 36cp at 100 level including MACS105

OR 36cp at 100 level including SMAC100

Co-requisites: None

Exclusions: Not to count with CCS 107 or CCS 207

Subject Description: This subject builds on basic ideas of Cultural Studies introduced at 100 level and explores various understandings of the concept of culture as developed within the discipline of Cultural Studies. The subject examines a variety of accounts of culture with a view to evaluating their uses and purposes. This will be achieved through an examination of a series of central problems and critical debates that have arisen during the development of cultural studies. Although much of the subject matter is of a theoretical nature, there will be an attempt to illustrate arguments and concepts with more practical and empirical case studies.

MACS217 Film Form and Style

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp of 100 level

Co-requisites: None

Exclusions: CCS 217

Subject Description: This subject introduces students to the language of film and film analysis. It investigates how films work by focussing on form and style through discussions of shot framing, cinematography, mise-en-scene, montage, and semiotic meaning. This subject provides a range of examples of film narratives from the US, Europe, India, Japan, and South Korea for analysis. The objective of the subject is to instruct students how to watch films closely and critically.

MACS219 Cinema in Australia

Spring Wollongong Flexible

Spring Shoalhaven Flexible

Spring Bega Flexible

Spring Batemans Bay Flexible

Spring Moss Vale Flexible

Credit Points: 8

Pre-requisites: 36cp of 100 level

Co-requisites: None

Exclusions: CCS 219

Subject Description: In this subject we will examine cinema in its Australian context first by focusing on the social history of cinema-going in Australia, up

to the present day. Secondly, as the Australian film and television industries depend for their continued existence on a careful balance between private investment, government funding, and audience enthusiasm, this subject will also consider the history of policy arguments for and against the support of a national cinema in Australia. Students will spend significant time each week in online group discussion.

MACS221 Critical Cultural Practice

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 30cp of 100 level And CCS 105 OR 30cp of 100 level And MACS105 OR 30cp of 100 level And SMAC100

Co-requisites: None

Exclusions: CCS 221

Subject Description: This subject is an introduction to contemporary cultural practices and representations in the media and other cultural texts. It explores critical issues concerned with theories of representation and the application of these theories in socio-cultural contexts – for example, the representations of war and peace, and related themes – in film and other media. The subject examines a variety of cultural and media texts as sites upon which critical skills may be developed in an informed theoretical framework.

MACS300 Investigating Identity

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level including CCS 207 OR 16cp at 200 level including MACS207 OR 16cp at 200 level including CCS 221 OR 16cp at 200 level including MACS221

Co-requisites: None

Exclusions: CCS 300

Subject Description: This subject explores various understandings of the concept of 'a person' as developed within the discipline of cultural studies. The concept of a person is explored through ideas about identity. This theoretical work is enhanced by exploring empirical research methods appropriate to understanding contemporary identities. These will include qualitative methods such as ethnography, discourse analysis and narrative analysis. Students will be given the opportunity to conduct an investigation of their own. Tutorial activity will combine theoretical exploration with the analysis of a series of case studies.

MACS301 Culture and Emotion

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16 cp at 200 level

Co-requisites: None

Exclusions: CCS 301

Subject Description: This subject will explore the cultural dimensions of emotion in everyday life. It will focus on how emotions are experienced, represented and understood in individual and social contexts. Drawing on a variety of cultural and critical understandings, this subject will examine a range of affective emotional states such as (but not limited to) grief, fear, hate, love, and the ideas of hope, belief, trust and faith in the formation of cultural identities. Students will explore these spaces of

emotion through different cultural texts and critical sites, and will be encouraged to investigate how emotions are deployed in current social and political debates.

MACS330 The Practices of Everyday Life

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level including CCS 207 OR 16cp at 200 level including MACS207 OR 16cp at 200 level including CCS 221 OR 16cp at 200 level including MACS221

Co-requisites: None

Exclusions: CCS 330

Subject Description: This subject introduces students to a range of theories which enable the critical analysis of the practices of everyday life in the context of popular culture. Students will critically analyse everyday practices in relation to tactical consumption, unauthorised pleasures, oppositional uses and the unintended effects of power. Topics discussed include: kitsch, camp and the culture of trash; commodification and identity; race in popular culture; the codification of suburban and urban spaces; gender performance, sexual identity and the politics of drag.

MACS333 Film Genre: theory and analysis

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level

Co-requisites: None

Exclusions: CCS 333

Subject Description: This subject explores the evolution and significance of key Hollywood film genres including film noir, horror, gothic horror, the road movie and the musical. Genres have been theorised as an implicit conversation between the industry, film-makers and audience who reflect social preoccupations through their shared knowledge and negotiation of genre conventions. Emphasis is therefore placed on examining the social contexts in which genres emerge, the political and cultural meanings they circulate, and the philosophical questions they could be said to raise, in order to listen in on this conversation.

MACS335 Electronic Cultures

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level

Co-requisites: None

Exclusions: CCS 335

Subject Description: This subject covers the texts, practices and impact of electronic culture in cyberspace or elsewhere. Students will consider how concepts of the body, gender, identity and community are formulated in the electronic environment; they will scrutinise notions of authoring and authority, reading and interactivity, and will explore issues of access and equity and policies dealing with regulation, copyright and privacy.

MACS337 Hollywood in Context

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 16cp at 200 level

Co-requisites: None

Exclusions: CCS 337

Subject Description: What is 'Hollywood' cinema,

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	and where does it come from? To understand the impact which the American studio style of film production had had on global cinema exhibition, distribution and production, we begin by examining the emergence of the Hollywood system and its interaction with American popular and political culture in the twentieth century. We will examine the history of Hollywood's increasing recognition of its foreign markets since the 1920s, and its longer-term development as a global culture industry which is still significantly American in origin. Students will complete an independently designed research project using both textual analysis and historical cultural research.
Commerce	
Creative Arts	MACS341 Media and Cultural Studies: Advanced Seminar Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 72cp and an average of 70 or above, plus interview with subject coordinator or program convenor. Co-requisites: None Exclusions: CCS 341 Subject Description: In 2007, this subject will be delivered as a seminar in research methodologies and practices in Media and Cultural Studies. This subject is highly recommended for students considering future enrolment in Honours in this area, but is also useful for students interested in professional research careers. As places are limited, students cannot enrol in this subject over the web, but will need to contact the subject coordinator to join the seminar.
Education	
Engineering	MACS343 Directed Study <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: Distinction average in MACS, 16 cps at 200 level MACS, plus permission of subject co-ordinator. Co-requisites: None Subject Description: Directed reading, research and other investigative activities lead to the production of a major essay or report in a field of study selected by the student and approved by the Convenor of Program. Prospective students must have a Distinction average in CCS, unless in exceptional circumstances, and entry depends on the availability of staff.
Health & Behavioural Sciences	
Informatics	MACS351 Signs of Communication Summer 2007/2008 Wollongong On Campus Credit Points: 8 Pre-requisites: 16cp at 200 level Co-requisites: None Exclusions: CCS 351 Subject Description: This subject aims to introduce key concepts and inquiries from contemporary semiotic research, as it relates to the analysis and practice of communication and interaction studies. Students are introduced to a variety of readings, by key authors, as well as foundational concepts, for example in dialogue and verbal conversational cues, proxemic (space), kinesics (gesture), and non verbal language generally. Examples from media as well as real life are included. Students are invited to apply introductory and overview study in an extended case study of conversation and interaction events, based on workplace or social contexts, and using appropriate media as a tool for study.
Law	
Science	

MACS357 Television Cultures

Spring	Wollongong	On Campus
Spring	Shoalhaven	Flexible
Spring	Bega	Flexible
Spring	Batemans Bay	Flexible
Spring	Moss Vale	Flexible

Credit Points: 8

Pre-requisites: 16cp at 200 level

Co-requisites: None

Exclusions: CCS 357

Subject Description: This subject considers major debates and issues involved in television theory and criticism. The subject examines TV as a social and cultural practice, looking at formal and aesthetic features of genres, issues of representation and identity and historical and technological developments within local and global contexts.

MACS407 Special Study

Not on offer in 2007

Credit Points: 8

Pre-requisites: (Major in MACS at credit average – not to include Pass Terminating grades)

Co-requisites: None

Subject Description: This subject is designed to enable students enrolled in Honours in other Programs to take one of the subjects in the Communication and Cultural Studies Honours Program. Enrolment is subject to the approval of the Convenor of Program.

MACS411 Media and Cultural Studies Honours

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 24

Pre-requisites: Major in MACS with at least 70% average plus two Distinctions at 300 level subjects in MACS.

Co-requisites: None

Subject Description: The 48 credit points Honours program consists of two 12 credit point coursework subjects scheduled in first semester and in second semester a 24 credit point thesis or project of 15,000 – 20,000 words or equivalent on a topic developed in consultation with the student's supervisor and approved by the School Honours Coordinator and Convenor of Program. This subject is intended for students enrolling in Honours only on a full time basis. Part time candidates should enrol in MACS412.

MACS412 Media and Cultural Studies Honours (PT)

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 12

Pre-requisites: Major in MACS with at least 70% average plus two Distinctions at 300 level subjects in MACS.

Co-requisites: None

Subject Description: The 48 credit point honours program is taken over four consecutive sessions. It is equivalent of two 12 credit point subjects and a 24 credit point thesis or project of 15,000 – 20,000 words on a topic developed in consultation with the Convenor of program and School Honours Coordinator. This subject is intended for students enrolling in Honours only on a part time basis. Full time candidates should enrol in MACS411.

MACS421 Joint Honours in MACS and another Discipline

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in MACS with at least 70% average plus two Distinctions at 300 level subjects.

Co-requisites: None

Subject Description: This will consist of a thesis of 15,000–20,000 words and a course of studies approved by the School Honours Coordinator in collaboration with the Convenor of the other academic unit concerned and will normally be composed of elements offered at 400-level by each unit. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in MACS422.

MACS422 Joint Honours in MACS & another Discipline (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in MACS with at least 70% average plus two Distinctions at 300 level subjects.

Co-requisites: None

Subject Description: This will consist of a thesis of 15,000–20,000 words and a course of studies approved by the School Honours Coordinator in collaboration with the Convenor of the other academic unit concerned and will normally be composed of elements offered at 400-level by each unit. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in MACS421.

MGMT142 Industrial Relations A

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The employment relationship is studied in terms of the influence of social, economic, political and legal environment and the power resources of the actors and others who seek to influence employment. The organisation and policies of the major participants in the system are analysed in both historical and contemporary settings.

MGMT240 Industrial Relations B: Wage Determination

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ECON140, MGMT140 or ECON240

Subject Description: This subject examines principles and processes of pay determination. Historical and contemporary social and economic factors influencing the determination of wages and salaries are identified and evaluated.

MGMT342 Research Topics in Industrial Relations

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject provides an understanding of qualitative research methods in social sciences, as well as the opportunity for students to undertake a personal research project in an area pertaining employment and industrial relations. In the first eight weeks of the subject most class hours will comprise lecture seminars on elements and problems of qualitative research methods. The latter part of the subject will emphasise the research process and students' research findings.

MGMT348 Employers and Industrial Relations

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ECON348

Subject Description: The objective of this subject is to develop an understanding of the pressures and constraints on employers/managers, and the way these influence strategies in the control and administration of the employment relationship. This requires a critical analysis of various theories and styles, as well as practical exercises and evaluation of current trends. The influence of product, labour and financial markets on the strategies and choices will be examined.

MGMT352 Negotiation, Advocacy & Bargaining

Summer 2007/2008 Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ECON352

Subject Description: Introduces students to theories, concepts and techniques for developing and evaluating strategies and tactics negotiation at the workplace. Students will be assisted to develop a range of practical skills and familiarity with procedures through case studies and role playing, as well as a conceptual framework in which to analyse the role of different negotiating and bargaining strategies.

PHIL106 Media, Ethics and Law

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject examines a range of ethical issues raised by contemporary media. We will survey media regulation in Australia and consider whether the existing regulatory framework is adequate to protect the public interest with regard to the issues examined. Topics covered include: privacy, defamation and vilification, free speech and censorship, representations of sex and violence, truth, lies and 'spin', war reporting, the role of the media in a democracy, the concentration of media ownership, commercialisation, advertising ethics, body image, the nature of celebrity, spectacle, voyeurism and the trivialisation of popular culture.

PHIL107 Values, Self and Knowledge

Autumn Wollongong On Campus

Credit Points: 6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: This subject introduces fundamental philosophical problems in ethical theory, metaphysics and epistemology. In the first 4 weeks we examine the nature of ethics, focussing on the question of whether there are objective ethical facts, or whether ethical beliefs are inherently subjective or culturally relative. The second part of the subject examines the nature of personal identity. What is the self? Are we one and the same person throughout our lives? The final section looks at theories of knowledge. What is knowledge? Can we ever be certain of our beliefs? Do we need to be?</p>		
Commerce			
Creative Arts	<p>PHIL151 Practical Reasoning</p> <p>Spring Wollongong Flexible</p> <p>Spring Shoalhaven Flexible</p> <p>Spring Bega Flexible</p> <p>Spring Batemans Bay Flexible</p> <p>Spring Moss Vale Flexible</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Exclusions: (PHIL153) or (PHIL253) or (PHIL214)</p> <p>Subject Description: This subject is an introduction to the informal study of reasoning and argument. We shall look at the standards of argument and patterns of reasoning we employ in everyday situations: reading, studying, discussing, debating, and so on. We shall consider ways in which arguments can be convincing without being valid (and valid without being convincing). We shall look briefly at the way in which language functions and apply what we learn to explain how many of the 'dirty tricks' we encounter in arguments work. We shall also consider some of the methods of reasoning employed in the law and in the natural and social sciences. Topic areas are: Inductive and deductive logic; meaning and definition; informal fallacies; inductive reasoning.</p>		
Education			
Engineering			
Health & Behavioural Sciences	<p>PHIL206 Practical Ethics</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: Any 36 credit points</p> <p>Co-requisites: None</p> <p>Subject Description: Practical Ethics begins with an introduction to consequentialist and rights-based approaches to applied ethics. A key theme throughout the subject is the ethics of risk – for instance, how should we assess the acceptability of the risks presented by radical new technologies? This conceptual framework will be used to examine a range of controversial social / political issues, including: genetic preselection and eugenics, human rights and multiculturalism, civil rights and the scope of individual freedom, drugs, war and terrorism, nanotechnology, commodification of human tissues, surrogacy and globalisation.</p>		
Informatics			
Law			
Science	<p>PHIL209 Logic</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 8</p> <p>Pre-requisites: Any 36 credit points</p> <p>Co-requisites: None</p> <p>Subject Description: An introduction to the methods and techniques of formal logic and to the central issues in philosophical logic that concern the</p>		

connections between reasoning in natural languages and reasoning in formal languages. Topics include: proof in propositional and predicate logic, the interpretation of propositional and predicate logic, soundness and completeness of propositional logic, the adequacy of formal logic to model reasoning in natural language.

PHIL210 Contemporary European Philosophy

Not on offer in 2007

Credit Points: 8

Pre-requisites: 36 credit points, including 6 credit points of PHIL

Co-requisites: None

Subject Description: An introduction to some of the main themes and thinkers in contemporary European philosophy, especially those that have had an impact on philosophers outside Europe. We will explore issues such as: language, interpretation and meaning; existence and being; power and knowledge, intersubjectivity and difference; time and death; phenomenology. We will explore these themes through the work of writers such as: Foucault, Irigaray, Deleuze, Kristeva, Derrida, Levinas, Gadamer, Nietzsche, Sartre, Merleau-Ponty, Ricoeur, Lyotard, Heidegger, de Beauvoir and Sartre.

PHIL211 Greek Philosophy

Summer 2007/2008 Wollongong On Campus

Credit Points: 8

Pre-requisites: At least 36 credit points

Co-requisites: None

Subject Description: PHIL211 introduces philosophy through the careful critical reading of the works of some Ancient Greek Philosophers, especially Plato. We begin by introducing the cosmologies of the Pre-Socratics, then analyse Socrates' famous paradoxes and his style of argumentation and then focus for the greater part of the course on one of the great classics of Western literature, Plato's Republic. Students examine and assess Plato's theory of the just state, the just person and justice for women, the nature of knowledge, the aims of education, the best sort of government, the nature of art and thought, and the proper roles of philosophers in society. No prior knowledge of philosophy or ancient history is required.

PHIL232 Political Philosophy

Not on offer in 2007

Credit Points: 8

Pre-requisites: At least 36 credit points

Co-requisites: None

Exclusions: (PHIL332) or (PHIL257) or (PHIL357) or (POL214) or (POL314) or (PHIL383)

Subject Description: An introduction to some key concepts and theories in political philosophy through a critical reading of some important historical texts. Throughout the subject we will identify themes in the history of political philosophy which have contemporary significance and will evaluate the arguments put forward by various political philosophers for different understandings of the nature and justification of the state, political authority, citizenship, political rights, civic participation, governance and the normative basis for state authority.

PHIL255 Philosophy of Language

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36 credit points, including 6 credit points of PHIL

Co-requisites: None

Exclusions: PHIL355

Subject Description: This subject provides an introduction to some of the central themes in the philosophy of language, in which we explore various historical and contemporary attempts to develop a viable theory of meaning. Questions that will arise include: how is it that some marks and sounds have meaning?, how is it that people can communicate?, how should we deal with phenomena such as metaphor?, what is the relationship between meaning and context?, and are there such things as meanings?

PHIL256 Ethics and the Environment A

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: At least 36 credit points

Co-requisites: None

Exclusions: PHIL258

Subject Description: A study of evaluative issues concerning the environment. Provides a grounding in debates about, for example, our obligations to non-human animals; whether wilderness areas have value independently of their value to humans; the problem of overpopulation and the question of our obligations to the 3rd world and to future generations; the value of biodiversity. This subject can also be taken as an 8 credit point subject, PHIL258, which shares lectures and tutorials, but has different assessment, reflecting the extra 2 credit points.

PHIL258 Ethics and the Environment B

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: At least 36 credit points

Co-requisites: None

Exclusions: (PHIL256)

Subject Description: A study of evaluative issues concerning the environment. Provides a grounding in debates about, for example, our obligation to non-human animals; whether wilderness areas have value independently of their value to humans; the problem of overpopulation and the question of our obligation to the 3rd world and to future generations; the value of biodiversity. This subject shares lectures and tutorials with the 6 credit point subject, PHIL256, but has different assessment, reflecting the extra 2 credit points.

PHIL262 Theories of Knowledge and Metaphysics

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: At least 36 credit points, including 6 credit points PHIL

Co-requisites: None

Exclusions: PHIL322

Subject Description: An examination of attempts to answer the central questions in the theory of knowledge and of the metaphysical implications of those attempts. The questions addressed include: What is knowledge?; Is knowledge possible? (the challenge of scepticism); Is

knowledge different from information?; Is a normative epistemology possible or desirable?; We will discuss, eg debates over internalism and externalism, realism and anti-realism, descriptive and revisionary metaphysics.

PHIL284 Theoretical Ethics

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: At least 36 credit points, including 6 credit points of PHIL

Co-requisites: None

Exclusions: (PHIL301)

Subject Description: A critical study of fundamental issues in moral philosophy. Among the topics discussed will be a selection of the following: Moral relativism; subjectivist and objectivist theories of morality; facts and values; moral realism; consequentialism; moral motivation; egoism and altruism; morality and rationality.

PHIL286 Philosophy of Social Science

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: At least 36 credit points

Co-requisites: None

Subject Description: Philosophy of Social Science is a critical survey of contemporary theories about the nature of social science. It examines the naturalistic, interpretive, critical and postmodern schools. This survey is focussed by sceptical concerns regarding the possibility of a social science, and the possibility of determinately interpreting each other. We will adopt as the underlying thematic focus the question of inter-cultural understanding, the significance of cultural relativism, and the possibility of multiculturalism.

PHIL288 Philosophy of Mind

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: At least 36 credit points including 6 credit points of PHIL

Co-requisites: None

Exclusions: PHIL351

Subject Description: Examines contemporary issues in one or more of the following areas: metaphysics of mind (dualism, mind-body identity, functionalism, etc.); theories of intention and agency; explanations of irrationality (such as divided mind accounts of self-deception and weakness of will); theories of emotion (its nature, epistemology and role in moral psychology); self-knowledge and first-person authority.

PHIL305 Special Philosophical Questions

Summer 2007/2008 Wollongong On Campus

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: Approval of Convenor of Program

Co-requisites: None

Subject Description: A detailed, supervised investigation at an advanced level of an approved philosophical topic, author, period, or school of thought.

PHIL309 Knowledge and Language

Spring Wollongong On Campus

Credit Points: 8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Pre-requisites: At least 16 credit points of 200 level PHIL, including PHIL255 or PHIL262 or PHIL322 or PHIL355.</p> <p>Co-requisites: None</p> <p>Subject Description: This subject provides the opportunity to engage at an advanced level with central issues and texts in contemporary philosophy of language, the theory of knowledge, and the intersection of those two areas. Regarding the philosophy of language, we will take up key themes such as the metaphysics of meaning, theories of interpretation, the analysis of tropes, the role of context in the use of language, holism, and the concept of truth. In the theory of knowledge, we will consider issues such as scepticism, externalism, the relationship between mind and world, the concept of evidence, fallibility, and certainty.</p>
Commerce	
Creative Arts	<p>PHIL310 Advanced Applied Ethics Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 16 credit point of 200 level PHIL subjects including either PHIL206 or PHIL256 or PHIL258 or PHIL284 or PHIL301 or PHIL380 Co-requisites: None Subject Description: Advanced Applied Ethics involves a critical examination of a range of applied ethics issues. It provides students who have already been introduced to ethical theory or applied ethics with a more sophisticated understanding of current debates about: methodology; critical responses to public policy in areas of social controversy; and the ethical evaluation of emerging technologies such as nanotechnology, genetic engineering. Throughout this subject attention is paid to the interaction of theory and practical application: the influence of theory on practice, and the use of practical issues to test the plausibility of ethical theory.</p>
Education	
Engineering	
Health & Behavioural Sciences	<p>PHIL313 Advanced Theoretical Ethics Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 16 credit point of 200 level PHIL subjects including PHIL284 Co-requisites: None Subject Description: This subject provides an advanced exploration of some key issues in contemporary theoretical ethics and metaethics through close examination of works of major theorists. This subject develops understanding of current debates in ethical theory to an advanced level by close reading of and critical engagement with major works in the area. Examples of works to be studied in this subject could include substantial sections of Thomas Scanlon's What We Owe Each Other, Annette Baier's Moral Prejudices: Essays on Ethics, Simon Blackburn's Ruling Passions, John McDowell's Mind, Value and Reality, or Martha Nussbaum's Upheavals of Thought: the intelligence of emotions.</p>
Informatics	
Law	<p>PHIL314 Advanced Topics in the Philosophy of Mind Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: At least 16 credit points of PHIL at 200 level, including PHIL288 or PHIL351 Co-requisites: None Subject Description: We will examine, at an advanced level, topics and texts that are of central importance and</p>
Science	

impact in the contemporary philosophy of mind. We will explore questions such as: how could consciousness have evolved?, can consciousness be studied scientifically?, can consciousness be ignored in an account of mind?, could minds be brought about in machines?, are reasons causes?, what is the status of folk psychology?

PHIL363 Philosophy of Feminism

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16 credit point of 200 level PHIL subjects including either PHIL206 Applied Ethics or PHIL232 Political Philosophy

Co-requisites: None

Exclusions: PHIL260

Subject Description: Philosophy of Feminism examines some key concepts and issues in feminist philosophy, examining the relationships between feminism and philosophy. Explores analytical and ethical issues which arise in feminist philosophy and the ways these issues divide feminists, through exploration of the ways the following topics arise in feminist theories: difference; rationality and reasoning; subjectivity, autonomy and agency; the Body; moral reasoning, justice and interdependence; public/private distinctions or civic/domestic divisions; citizenship and access to social goods.

PHIL380 Bioethics

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: Any 36 credit points

Co-requisites: None

Exclusions: (PHIL365)

Subject Description: Philosophical examination of a range of important bioethical problems. We will explore such topics as: euthanasia and physician-assisted suicide; reproduction technology (e.g. IVF, cloning); anonymous donor programs; genetic counselling, screening and testing; definitions of life and death, allocation of health resources; organ transplantation; embryo and foetal research; genetic engineering, experimentation involving human subjects; research involving animals; the role of ethics committees; the nature of professional ethics.

PHIL390 Contemporary Political Philosophy

Not on offer in 2007

Credit Points: 8

Pre-requisites: At least 16 credit points in PHIL at 200 level OR 8 credit points in PHIL at 200 level plus POL 213

Co-requisites: None

Subject Description: Contemporary political philosophy offers an examination of some key themes in contemporary political philosophy: Citizenship and multiculturalism; Justice, Well-being and Human Rights; Nationalism; Democracy, Representation, Sovereignty and Legitimacy. In particular it draws on works within feminist theory, European social and political philosophy, communitarian approaches, and postcolonial theorists in demonstrating challenges to contemporary liberal philosophical approaches to those themes.

PHIL411 Philosophy Honours

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Admission into Honours program; major in philosophy with an average of at least 70% and at least two distinctions in 300-level philosophy subjects.

Co-requisites: None

Subject Description: The Honours program is designed to provide good philosophy students with a strong grounding in philosophy that prepares them for post-graduate research. The Honours program consists of 50% thesis (approximately 15,000 words examined by one internal and one external examiner) and 50% coursework comprising 3 components: 1. an honours seminar on a particular issue in contemporary philosophy (the topic will be selected to reflect the research strengths of the program and the current cohort of Honours students); 2. an advanced seminar on philosophical argument and thesis-writing; 3. a directed reading subject on an area related to each student's thesis topic.

PHIL412 Philosophy Honours (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Admission into Honours program in both Philosophy and the other discipline; major in philosophy with an average of at least 70% and at least two distinctions in 300-level philosophy subjects, plus entry requirements of second Honours area

Co-requisites: None

Subject Description: The Honours program is designed to provide good philosophy students with a strong grounding in philosophy that prepares them for post-graduate research. The Honours program consists of 50% thesis (approximately 15,000 words examined by one internal and one external examiner) and 50% coursework comprising 3 components: 1. an honours seminar on a particular issue in contemporary philosophy (the topic will be selected to reflect the research strengths of the program and the current cohort of Honours students); 2. an advanced seminar on philosophical argument and thesis-writing; 3. a directed reading subject on an area related to each student's thesis topic.

PHIL421 Combined Philosophy Honours

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Admission into Honours program in both Philosophy and the other discipline; major in philosophy with an average of at least 70% and at least two distinctions in 300-level philosophy subjects, plus entry requirements of second Honours area.

Co-requisites: None

Subject Description: The Combined Honours program is designed to provide good philosophy students with a strong grounding in philosophy and another discipline that prepares them for post-graduate research. The Honours program consists of 50% thesis (approximately 15,000 words examined by one internal and one external examiner) and 50% coursework or equivalents to be negotiated between the two disciplines' Honours Coordinators.

PHIL422 Combined Philosophy Honours (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Admission into Honours program in both Philosophy and the other discipline; major in philosophy with an average of at least 70% and at least two distinctions in 300-level philosophy subjects, plus entry requirements of second Honours area

Co-requisites: None

Subject Description: The Combined Honours (part time) program is designed to provide good philosophy students with a strong grounding in philosophy and another discipline that prepares them for post-graduate research. The Honours program consists of 50% thesis (approximately 15,000 words examined by one internal and one external examiner) and 50% coursework or equivalents to be negotiated between the two disciplines' Honours Coordinators.

POL 111 Australian Politics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject provides a basic introduction to Australian political institutions and processes, political ideas and issues. The ideas and institutions will be explored through the analysis of current issues in the context of recent Australian history and global change. Cooperative class activities will enable students to consolidate and further develop their learning skills. The subject will be supported by a web site to enable easy access to resources and electronic communication among class members.

POL 121 Politics in a Globalising World

Spring Wollongong On Campus

Spring Shoalhaven On Campus

Spring Bega On Campus

Spring Batemans Bay On Campus

Spring Moss Vale On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: POL121 evaluates the sources of political and economic power and examines the relationship between them. As well as the established sources of power, (strategic and military) the subject also deals with power or potential power that may be less obvious, including for example the global media, the impact of human rights protocols, trans-national corporations and investment, world trade agreements, regional cooperation, and people power in the form of resistance to globalisation. We will also examine the post-cold war world, the environment, nationalism, racism and the new international division of labour in global production, itself now a major factor in the mass migrations of people between the poor and rich nations of the world.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>POL 141 Change and Debate in Contemporary Australian Politics</p> <p>Summer 2007/2008 Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: The subject examines some of the major changes that have occurred in the Australian politics, society, culture and the economy since the election of the Howard government in 1996. This subject will explore these changes through an examination of key debates in Australian public life, and their implications for notions of identity, democracy, citizenship, class and community. Topics covered include the myth of Australia as an egalitarian society, the changing nature of 'left' and 'right', globalisation, reconciliation and Aboriginal sovereignty, refugees and immigration policy, the role of unionism in Australian politics, and the 'war on terrorism'.</p>	<p>Pre-requisites: (36cp including 6 cp POL) or (36cp including 6 cp PHIL)</p> <p>Co-requisites: None</p> <p>Subject Description: This subject examines key theorists and ideologies from the major European and Asiatic traditions of political theory. Students are introduced to the major ideologies by analysing them in their historical context and assessing their contemporary significance for political thought and practice. Ideologies examined include Republicanism, Conservatism, Islamism, Liberalism, Communism, Anarchism, Marxism, Fascism, Socialism, Feminism and Environmentalism. The role of the state and individual in political practice will form a central theme.</p>
Commerce		
Creative Arts		
Education	<p>POL 210 The European Union: Post-war integration, 1945 to the present</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: (36cp including 6cp POL) or (36cp including 6cp AUST) or (36cp including 6cp HIST) or (36cp including FREN 110) or (36cp including ITAL 110)</p> <p>Co-requisites: None</p> <p>Exclusions: EURO 220, HIST 210</p> <p>Subject Description: This subject identifies and examines the political, economic and social processes driving European integration from the end of World War Two to the present. It explores the thinking behind and the development of the European Economic Community (EEC) and its subsequent transformation into the European Union (EU), the influence of the US, the pivotal role of France and Germany in European integration, the relationship between nation states and supranational institutions, and the implications for Europe of the Cold War and collapse of the Soviet bloc.</p>	<p>POL 216 Politics in the USA</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 36cp at 100 level including 6cp POL</p> <p>Co-requisites: None</p> <p>Subject Description: This subject examines the American political system. It provides an introduction to the institutional context of American politics, focussing upon the structure and function of government, and also deals in depth with major factors and issues which shape politics today. The roles, in theory and practice, of the Constitution, the President, the Congress, the Supreme Court are examined. Political parties, election processes and campaigns are surveyed and analysed. These institutional aspects of American politics raise crucial questions about democracy and power, questions which the subject deals with at length.</p>
Engineering		
Health & Behavioural Sciences		
Informatics	<p>POL 211 Democracy in Theory and Practice</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 8</p> <p>Pre-requisites: 36cp including 6cp POL or 36cp including 6cp PHIL</p> <p>Co-requisites: None</p> <p>Subject Description: The subject analyses and contrasts the development of two western traditions: democracy and republicanism. It examines their origins in Ancient Greece and Rome, the rise of different schools of liberalism, participatory and deliberative democracy, conservatism, pluralism, social democracy and European and Leninist Marxism. Contemporary critiques of Western democratic theory from feminist, neo Marxist, neo liberal, conservative, post modern and technocratic/ industrialist scholars are analysed and their suggested alternatives are examined. The subject examines not only the quality and coherence of the ideas expressed by respective thinkers but their practical implications and feasibility.</p>	<p>POL 222 Australian Public Policy</p> <p>Spring Bega Flexible</p> <p>Spring Shoalhaven Flexible</p> <p>Spring Wollongong On Campus</p> <p>Spring Batemans Bay Flexible</p> <p>Spring Moss Vale Flexible</p> <p>Credit Points: 8</p> <p>Pre-requisites: 36cp including 6cp of POL or AUST101 or ARTS112 or HIST109 or SOC103</p> <p>Co-requisites: None</p> <p>Subject Description: Public policy is the way the government touches the everyday lives of citizens. Policy is shaped by political institutions and arrangements, political ideologies, international factors and political activity ranging from grassroots activists to high-powered interest groups. Economic policies ranging from trade to taxation, social policy, questions of citizenship and belonging, gender and the work/family balance and the environment will provide the focus of an exploration of the interactions of the agents and forces at work in policy making in Australia since the mid 1980s. Students will have an opportunity to research a policy area in depth through work on a group project. Groups meetings will be held in class time and a class web site will support out of class communication among students.</p>
Law		
Science	<p>POL 213 Key Concepts and Thinkers in Political Theory</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p>	<p>POL 224 Politics and the Media</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 36cp including 6cp POL or 36cp including 6cp CCS</p> <p>Co-requisites: None</p> <p>Subject Description: This subject examines the political</p>

role and power of the mass media. Particular attention is paid to the manufacture of news, the construction of news frames, the function of agenda-setting, the issue of bias, the use and abuse of media by politicians, the question of ownership and control, the role of advertising. While the major focus is on news reporting and commentary, cultural politics in general (including popular culture) is examined.

POL 225 International Relations: An Introduction

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp including 6cp POL

Co-requisites: None

Subject Description: Provides an introduction to the study of International Relations. It focuses on concepts, issues and theories of particular contemporary relevance: Realism, Liberalism, Marxism, feminist perspectives, post-structuralism and critical theory. Close attention is paid to the role of the United Nations, security and other global and regional regimes. Specific issues examined include aspects of international political economy such as globalisation, the WTO, IMF, World Bank, foreign aid, third world debt, poverty and hunger. The threats posed by terrorism, the impact of racism and immigration to world order are analysed.

POL 230 Latin America Conquest and Colonisation

Not on offer in 2007

Credit Points: 8

Pre-requisites: 36cp including 6cp POL

or 36cp including 6cp HIST

Co-requisites: None

Subject Description: This subject provides an overview of the conquest and colonisation of Latin America by the West. We begin with a look at the state of the world in 1400, concentrating on the Iberian peninsula, from which voyages of 'discovery' emerge. We then turn to two of the complex civilisations of the Americas, the Aztecs and the Incas, and examine how they quickly came under the subjugation of the Spanish conquistadors. The subject explores why and how the West established such dominance. We then review the effects of colonisation on the indigenous peoples of the Americas, and on the African populations brought in as slave labour, of the introduction of Christianity, the new modes of economic production and the legacy of the conquest for contemporary Latin American society.

POL 290 Women in Society: Productive and Reproductive Labour

Autumn Wollongong On Campus

Autumn Shoalhaven Flexible

Autumn Bega Flexible

Autumn Batemans Bay Flexible

Autumn Moss Vale Flexible

Credit Points: 8

Pre-requisites: 36cp

Co-requisites: None

Exclusions: GENE215

Subject Description: The social changes promoted by the Women's Liberation Movement have contributed to new understandings of the position of women in social, political and economic life in Australia over the

past 35 years. The subject will focus on topics around the themes of the contemporary women's movement; women and paid work, sexuality, motherhood and issues of inclusion and exclusion. A comparative approach will allow the examination of women's activism in Australia and in selected developing countries. Team work forms the core of student learning in discussion and project groups. Student learning activities are focussed on the development of skills involved in reading and constructing academic arguments and in finding and making sense of information using electronic sources. The subject is divided in four modules, each of which explores one theme.

POL 301 Politics Internship

Autumn Wollongong Flexible

Spring Wollongong Flexible

Summer 2007/2008 Wollongong Flexible

Credit Points: 16

Pre-requisites: At the discretion of the Convenor of the politics program

Co-requisites: None

Subject Description: This subject will enable students to undertake internships in relevant political institutions both in Australia and overseas. Students undertaking this subject will be attached to a political institution where they will undertake duties as directed by their supervisor in that institution. The subject is worth 16cps because it is the equivalent of two 300 level subjects.

POL 302 Foundations of Australian Political Culture

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16 cp at 200-level POL

Co-requisites: None

Subject Description: This subject deals with the values, beliefs and principles that constitute Australian political culture. It will do so by considering roots of that political culture in the Federation movement of the 1890s and the policies of the early Commonwealth described as the Australian or Deakinite Settlement. It will examine how both Federation and the Australian Settlement moulded Australian politics and political culture during the twentieth century with particular emphasis placed on developments since 1983.

POL 303 Peacekeeping, Sovereignty and Global Order

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16 cp at 200-level POL

Co-requisites: None

Subject Description: This subject examines the problems apparent in creating international order and the effects of that order on state sovereignty. In the multilateral context we consider questions of regional stability, justice and the equality of states in international relations by examining peacekeeping operations from various continents. The other main consideration is American unilateralism and its imposition of a different sort of order, not yet clearly defined, which is best exemplified by the direction of US foreign policy post September 11, 2001, particularly the prosecution of the 'War on Terror'.

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	<p>POL 314 Power and the Modern State Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 16cp at 200 level POL Co-requisites: None Subject Description: This subject looks at some of the fundamental ideas about the modern state within the framework of the development of that institution. Students are introduced to fundamental ideas about the modern state through the examination of a number of key texts. These texts are made the basis of tutorial discussion and students deliver papers on these texts. The subject is designed to make students aware critically of the variety of approaches that exist regarding the nature of the modern state. As well this subject will be compulsory for those undertaking honours in Politics.</p>	<p>South Korea, Taiwan, Hong Kong, Singapore, Malaysia, Indonesia, Thailand and now the People's Republic of China). These governments provided a mixture of development incentives and controls. They spread investment risk between the private and public sectors of their economies and they fostered cooperation between government and private interests; promoted manufacture for export and the transfer and adoption of technology; and placed a premium on economic efficiency as gauged by 'the market'. Until the Asian Financial Crisis of 1997 these were 'pin-up' economies. They offered a development model seen by many as a path leading out of developing nation poverty.</p>
Commerce		
Creative Arts	<p>POL 315 The Politics of Post Communist Countries <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 16cp at 200 level POL Co-requisites: None Subject Description: This subject examines problems of transition from soviet-style state socialism in the successor states of the former USSR and Eastern Europe. It contrasts the Russian and East European experience with market transition in the Peoples' Republic of China and the reasons differences persist. Issues examined include: new forms of political representation, the transition to a market economy, changing roles for women and men, social welfare provision, economic decline and corruption, reforming the legal system, trade unions and new social movements, and minority nationalities policy. Recent theories of state and civil society will be analysed</p>	<p>POL 319 Political Economy in the New Millennium Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 16cp at 200 level POL Co-requisites: None Subject Description: The subject covers the development of Political Economic theory from antiquity to the present day. The centrality of political economy to political enquiry is stressed. It discusses major theorists from Plato, Quesnay, Steuart, Locke, Adam Smith, John Stuart Mill, Karl Marx and John Maynard Keynes to contemporary thinkers, debates and issues. It analyses core aspects of their approach to key political questions, such as: the role of the modern state, human nature, social order, civil society, freedom and necessity, production, distribution and justice. It questions the relevance of their thought to contemporary issues in a (post)-modern environment.</p>
Education		
Engineering		
Health & Behavioural Sciences	<p>POL 317 Politics in the South Pacific Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: None Co-requisites: None Subject Description: In this subject we will consider the politics of a number of Pacific Island countries. These countries are small island states (such as the Solomon Islands, Vanuatu, Tonga, Samoa and the Fiji Islands) with small populations, often low levels of institutional capacity and with access to various levels of natural resources and foreign aid. A number of the countries have recently been presented as nations in 'an arc of instability'. This 'arc' reaches from PNG via the Solomon Islands to Fiji. Law and order problems, social instability, the use of tradition, access to land and other natural resources, corruption and coups have contributed to both the reality and perception of instability.</p>	<p>POL 323 Nth & Sth: Approaches to Rel Between Adv, Indust & Less Dev Countries Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 14 cp of POL, with 8 cp of POL at 200 level; or HIST210 with 6 cps of POL; or ARTS112 plus 16 cps at 200 level. Co-requisites: None Subject Description: In this subject we will analyse relations between the advanced industrialised countries of the North and the less developed countries of the South. We will debate issues associated with development, including industrialisation, distribution, aid, globalisation, global governance, international markets, the role of multinational companies, labour migration, mobility and remittances, and the current role and responsibilities of nation states. We will also consider the part played by nation states, international capital and the low cost of labour time in the 'Asian Development Miracle'. We will then profile and discuss human rights, democracy, administrative accountability and transparency, environmental sustainability and gender equality.</p>
Informatics		
Law	<p>POL 318 The Asian Tigers - Newly Industrialising Countries in Transition Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 16cp at 200 level POL Co-requisites: None Subject Description: In this subject we will examine the role national governments have played in the Asian Development Model (including the governments of</p>	<p>POL 324 Culture and Politics Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 16cp at 200 level POL Co-requisites: None Subject Description: This subject examines key debates concerning cultural politics in the twentieth century. Particular attention is paid to debates about</p>
Science		

Marxism and modernism, the political impact of mass culture, feminist cultural politics and the political significance of postmodernism. Key intellectual groupings analysed include the Frankfurt School, the Birmingham Centre for Contemporary Cultural Studies, American and French cultural feminism, the New York intellectuals, political film, the Situationists. A major focus of the subject is upon the ways in which culture and politics intersect, the cultural forms which are most bound up with the world of politics.

POL 368 Protest and Power in America : The Sixties

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16cp at 200 level POL or 16cp at 200 level HIST

Co-requisites: None

Subject Description: The 1960s was a pivotal decade in contemporary history and this subject examines the political upheavals, social transformations and cultural rebellions of those years in the USA. Analysis will focus upon the civil rights and black power movements, the new left, the student movement, the anti-war movement, the women's and gay liberation movements and the counter-culture. These movements sponsored significant social changes and raised issues which are still reverberating today.

POL 411 Politics IV (Honours)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in Politics with at least 70% average (including POL314) plus two Distinctions at 300 level subjects in Politics.

Co-requisites: None

Subject Description: A Politics Honours program comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. The two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in Political Studies is an exploration of theoretical literature through reading, discussion and writing. Half of the subject is the development, research and writing of a 15,000 – 18,000 word research thesis under the supervision of an academic at the University of Wollongong. Students will begin to work with the supervisor during their first session for candidature with the goal of producing a thesis proposal by the end of that session.

POL 412 Politics IV (Honours) (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in Politics with at least 70% average (including POL314) plus two Distinctions at 300 level subjects in Politics.

Co-requisites: None

Subject Description: A Politics Honours program comprised of coursework and a supervised thesis has

been designed to prepare students for further research in future employment or future study. The two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in Political Studies is an exploration of theoretical literature through reading, discussion and writing. Half of the subject is the development, research and writing of a 15,000 – 18,000 word research thesis under the supervision of an academic at the University of Wollongong. Students will begin to work with the supervisor during their first session for candidature with the goal of producing a thesis proposal by the end of that session.

POL 431 Joint Honours in Politics and Another Discipline

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in Politics with at least 70% average (including POL 314) plus two Distinctions at 300 level subjects in Politics and meet the Honours entrance requirements for the other discipline.

Co-requisites: None

Subject Description: An interdisciplinary honours program incorporating Politics comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. At least two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness or similar in another discipline develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the school. Seminar in Political Studies is an exploration of theoretical literature through reading, discussion and writing. Other disciplines offer similar theoretical seminars. Half of the subject is the development, research and writing of a 15,000 – 18,000 word research thesis under the supervision of an academic from each discipline at the University of Wollongong. Students will begin to work with supervisors during their first session of candidature with the goal of producing a thesis proposal by the end of that session. NOTE – Students must meet with School Honours Coordinators to determine the precise construction of the coursework component well before the beginning of the session in which they intend to begin study.

POL 432 Joint Honours in Politics and Another Discipline (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in Politics with at least 70% average (including POL314) plus two Distinctions at 300 level subjects in Politics and meet the Honours entrance requirements for the other discipline

Co-requisites: None

Subject Description: An interdisciplinary honours program incorporating Politics comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

or future study. At least two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness or similar in another discipline develops the high level research, analytic and writing skills need to successfully complete a thesis for all honours students in the school. Seminar in Political Studies is an exploration of theoretical literature through reading, discussion and writing. Other disciplines offer similar theoretical seminars. Half of the subject is the development, research and writing of a 15,000 - 18,000 word research thesis under the supervision of an academic from each discipline at the University of Wollongong. Students will begin to work with supervisors during their first year of candidature with the goal of producing a thesis proposal by the end of that year. NOTE - Students must meet with School Honours Coordinators to determine the precise construction of the coursework component well before the beginning of the session in which they intend to begin study.

SMAC100 Thinking About Societies, Technologies and Cultures

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: CCS 105

Subject Description: This subject examines the ways in which social and cultural meanings are generated in everyday life, including in our experiences with technology. In addition, we will explore the opportunities for social change that can arise from critical reflection on these issues. Students will choose an object or practice to explore throughout the semester, culminating in their final essay on the topic. The subject therefore provides a strong foundation to commencing students in library research skills, skills in critical reading and analysis, academic writing, and referencing. Additionally, it is a good introduction to the programs in the School.

SOC 103 Aspects of Australian Society

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	Flexible
Autumn	Bega	Flexible
Autumn	Batemans Bay	Flexible
Autumn	Moss Vale	Flexible

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: What is society? How is it structured? How does it make the individual possible and limit the possibilities of the individual? How can we know about society? The discipline of sociology addresses these questions through the application of social theory and sociological research methods. By focusing on specific aspects of Australian society, including, social movements, punishment, social control, gender and economic inequality, students are able to develop their sociological imagination. The sociological imagination, informed by theory and methods, provides

the opportunity for understanding how one's apparent individuality is positioned or constructed through the processes of society. Sociology not only studies society as a way of interpreting the social, it also attempts to shape social processes through public policy.

SOC 104 Communication, Media and Society

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: (CCS109)

Subject Description: Communication binds societies together, and the forms it takes range from the personal to the globe-spanning web of electronic communication. This subject examines the spectrum of communication from a sociological perspective, focusing not simply on the 'vehicle' of transmission but rather on what is being transmitted and its impact on society. The focus is on the media as a vehicle for cultural communication, fragmentation and change, introduces theoretical methodological issues, and its impact is evaluated in the areas of: tourism, religion, visibility and the television culture, and crime.

SOC 110 Understanding Audiences

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Understanding the nature of media audiences is fundamental to media and communication studies. This subject examines the concept of audience from a variety of perspectives. Issues and topics include: the creation of audiences by the media; media audiences for popular culture (music-videos, magazines, sport); fans and fandom; advertising; television ratings; the gendered audience. A fundamental understanding of quantitative and qualitative research into various audience groupings, the use of appropriate analytical tools, and the ability to critically analyse academic and industry-based audience research are some of the skills taught in this subject.

SOC 203 Explaining Society

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Subject Description: This subject demonstrates the importance of thinking theoretically. Its theme is morality and social justice in a variety of social theories in classical sociology and cognate areas that have 'changed the world'.

SOC 205 Sociology of the Family

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Subject Description: The family occupies a contradictory place in contemporary social thought, on one hand seen as natural part of social life and on the other in crisis. This subject explores the diverse sociological approaches to the family through a comparative analysis of family life in Australia and

selected examples from the Asia-Pacific region. It places these theoretical perspectives in the context of the changes in family form and the life cycle from early modern times to the present.

SOC 206 Youth and Popular Culture

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Exclusions: SOC204

Subject Description: This subject reviews sociological conceptions of culture, explores the creation of sub-cultures, and identifies major forms, and theories, of contemporary popular culture. It will evaluate the position of young people in Australian society, and analyse the development of youth policy in terms of how society constructs youth as a social problem and how the state politically regulates young people's lives. Finally it will also consider youth as social agents (e.g. as consumers and citizens) and consider the many ways youth construct and use a variety of popular cultural forms (e.g. fashion, music, dance).

SOC 222 Crime, Criminality and Criminalisation

Not on offer in 2007

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Subject Description: The course is a critical and contextual look at aspects of the criminal justice system in, primarily, New South Wales. Areas covered include: policing, the court system, the representation of crime, public space, juveniles and justice, the criminalisation of social disadvantage and white-collar crime. These areas are addressed through an interdisciplinary framework that draws on ideas from sociology, criminology, social theory and cultural studies. Students are encouraged to consider how we are constituted in relation to the criminal justice system; rather than looking at the system from an imagined position outside its intricate and complex practices, institutions and representations.

SOC 224 Violence, Fear and Civilisation: the Evolution of States

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Subject Description: This is a comparative-historical overview of what happens to fear and violence in human life with increasing social-structural complexity and state development. With the growth and differentiation of populations, changing patterns in the use and threat of force have been noted and correlated with other aspects of customary personal life and behaviour, knowledge and social institutions. Such concepts as civilizing and decivilizing processes seek to characterize these variations. How are we the same as and different from other peoples, or our own ancestors, when it comes to the disciplining of our nastier urges? Implications for current policy debates will be considered. Topics for papers or discussion might include: origin of the state, sources of civil conflict, warfare

and warfare states, as well as medieval manners, Dahomean warrior women, the Knights Templar, and whether we will ever know what the Yanomam are really like.

SOC 231 Social Analysis

Spring Moss Vale Flexible

Spring Wollongong On Campus

Spring Shoalhaven Flexible

Spring Bega Flexible

Spring Batemans Bay Flexible

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Exclusions: Not to count with SOC296

Subject Description: This subject introduces students to key methods in social research: literature-based research, content analysis of documents, secondary analysis of statistics, and observation. Students will learn the value of using multiple research methods to explore and explain social relations. This is a skills based subject which includes undertaking library research, constructing and reading tables, manipulating a computer database, and writing a research report. The students will study aspects of the University of Wollongong.

SOC 242 Contemporary Issues in Society

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Subject Description: The origins, development and social and cultural implications of Globalisation are the central focus of this course. During the session, the history and beliefs (ideologies), behind the globalising process, and the arguments over whether its effects are positive or negative, will be contextualised by focusing on the web of issues central to the process. Specifically: the Post Cold War world, population, Third World societies, transnational corporations, pollution, and global electronic communications. Beyond the human elements, is the impact of Globalisation on the planet itself. There is general agreement amongst the scientific community global warming is a reality and furthermore, it is human activity, which is responsible. The environment is a strong theme within this course and in addition to pollution; it will also address the Greenhouse Effect, the destruction of habitats and species, and the environmental movement.

SOC 243 Contesting Asia: Culture, Diversity, Difference

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Exclusions: Not to count with HIST287

Subject Description: This subject will examine the intersection of culture, economy and religion in Asia. It will analyse the significance of comparative approaches in sociology and anthropology in the age of globalisation. Drawing upon contrasting examples from contemporary Asian societies, particularly South Asia this subject will investigate some of the taken for granted assumptions about the process of social change. It will consider the notion of difference to explore the ways in which diverse groups within the region assert

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	their cultural identities, resist marginalisation and critique forms of inequality. We will also pay attention to how Asian cultures have been represented in Western texts.		
	SOC 244 Punishment: Purpose, Practice, Policy Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 36cp at 100 level Co-requisites: None Subject Description: Why do we punish those who break the law; what benefit is gained, and for whom, from imprisonment and other forms of criminal justice sanctions? Are jails for retribution, rehabilitation, deterrence, revenge, a symbol of control or order, a way to make us feel superior? Once some the reasons or justifications for punishment are addressed we look at some of the multiple ways to punish offenders and some policy options that can, or cannot make a difference. The course is an investigation into the more general issue of what we as a society get out of punishment and what it costs each of us, ie the differential impact of punishment on various sections of society.		
	SOC 302 Contemporary Social and Political Thought Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 16 cp at 200-level Co-requisites: None Subject Description: This subject provides an overview of twentieth century developments in social and political theory by introducing and developing the following significant fields of inquiry: the theory of hegemony; the crisis in classical Marxism; deconstruction; psychoanalysis and discourse theory, which in turn, leads into postmarxist social and political theory and exploration of its central idea that 'society is impossible'. A key focus throughout this course will be on the issues of antagonism and equivalence expressed in new social movements such as, feminism, anti-globalisation, environmentalism and religious fundamentalisms.		
	SOC 305 Race and Ethnic Studies Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 16 cp at 200 level Co-requisites: None Subject Description: This subject introduces students to theories of race, racism, ethnicity and migration. These will be linked to other dimensions of social structure and action, in particular class and gender relations. Global political economy, international migration and the process of ethnic group formation will be examined as the basis for many current situations of ethnic diversity. For Australia, we will look at the situation of indigenous people and of immigrants, and examine the role of cultural diversity in the development of social relations and national identity. We will also examine such issues at the international level. Examples will be drawn both from Australia and other countries. The subject includes consideration of the subjective and structural dimensions of racial oppression, ethnic mobilisation and liberation movements, as well as an analysis of the theoretical and substantive relationships between culture, identity and resistance.		
Commerce			
Creative Arts			
Education	SOC 308 Social Policy and the Neoliberal State Spring Wollongong Flexible Spring Shoalhaven Flexible Spring Bega Flexible Spring Batemans Bay Flexible Spring Moss Vale Flexible Credit Points: 8 Pre-requisites: 16cp at 200-level Co-requisites: None Subject Description: This subject provides an overview of developments in social policy as it operates in and through the State (or federal government) in Australia by introducing and developing the following significant fields of inquiry: social policy, welfare and neoliberalism, social policy in Australian history, which in turn, leads into examination of specific fields of social policy such as, income security, employment, health, education, families, youth and law. A key focus throughout this course will be on the developing neoliberal environment and understanding the impacts of this on key areas of the 'welfare state' and further, how social policy is put into operation in this context.		
Engineering	SOC 309 Social Movement and Community Activism <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 16cp at 200 level Co-requisites: None Subject Description: Are social movements dead? Alternatively, have they simply re-invented themselves? The subject will examine how young people accomplish and resist social change in our society. A social movement is researched to find out about young peoples' attitudes to movements for social change.		
Health & Behavioural Sciences	SOC 310 The Third Sector Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 16 cp at 200-level Co-requisites: None Subject Description: This subject provides an overview of the third sector by introducing and developing the following significant fields of inquiry: civil society and its relation to political society and family, the importance of community and non-profit organisations and their relation to both the State (first sector) and for-profit business (second sector); the emergence and importance of social capital in contemporary Australian life. A key objective will emphasise social capital theory and its influence on politics and social life in contemporary Australia. Issues such as, the riots in Macquarie fields and Cronulla, the family's impact on social engagement, and the increasing welfare burden being placed on non-profit service organisations will be investigated.		
Informatics	SOC 318 Modernity, Development & Social Change Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 16 cp at 200 level Co-requisites: None Subject Description: This subject will examine the development experience of people in the new global		
Law			
Science			

order. It will introduce students to the debates on modernity and development that emerged following the break up of European colonial empires. It will examine the ensuing interaction between rich and poor nations, and theoretical explanations for the emergence of international disparities of wealth. In particular it will focus on the Asia-Pacific region and explore the power laden international context in which development discourses are produced. A number of case studies will be utilised to explore local understanding of what constitutes development.

SOC 325 Social Research Methods in Policy and Evaluation

Autumn	Wollongong	Flexible
Autumn	Shoalhaven	Flexible
Autumn	Moss Vale	Flexible
Autumn	Bega	Flexible
Autumn	Batemans Bay	Flexible

Credit Points: 8

Pre-requisites: 16 cp at 200 level

Co-requisites: None

Subject Description: Using the methods of the social sciences to evaluate the effectiveness of public policies, however formally or informally, is an enduring feature of modern governance. Seeking a balance between technical knowledge and critical awareness, this subject begins with a brief historical view of social research in state development. It then examines evaluation techniques, including experimental, quasi-experimental and other designs, before proceeding to a series of policy examples. These may include: types of schooling and their consequences, effectiveness of alternative healthcare, options for unemployment relief, various (ab)uses of opinion polls, or other topics according to student interest.

SOC 326 Globalizing Asia

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 16 cp at 200 level

Co-requisites: None

Exclusions: ASIA300

Subject Description: This subject explores social and cultural change in Asia in the context of globalization. The subject discusses theories of social and cultural change, and draws on a range of case studies to illuminate current social and cultural trends and changes in Asia. It considers the historical legacies of colonialism and post-WW2 development, and the ways in which historical and contemporary global forces shape Asian societies. Among the topics to be covered include: social movements; sex and gender; artisan labour; transnational and migrant identities; mediated identities; urbanization and the new economy; poverty, slums and inequality. Countries explored include: Taiwan, India, Japan, Indonesia, Singapore and Bangladesh, as well as comparative, pan-Asian examples.

SOC 330 Gender and Society

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 16 credit points at 200 level

Co-requisites: None

Subject Description: Questions such as, how do masculinities and femininities develop, are gender identities unstable, how can we understand patterns of gender relations in a globalising society, and is social

justice in gender possible, sit at the center of current debates about gender and society. This subject offers an exploration into the theoretical and practical aspects of gender and its operation in society. It begins by presenting key explanatory approaches to gender, which include: psychoanalytic, functionalist, Marxist and poststructuralist/queer theories. Using this theoretical knowledge, patterns of gender practice within and across institutions such as, the family, media, law, sport, the State and education will be investigated. The aim will be to challenge traditional knowledge about masculinity and femininity, and gender relations and practice so as to uncover possibilities for a new social justice in gender.

SOC 334 Bread & Circuses

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 16cp at 200 level

Co-requisites: None

Subject Description: Examines the role of spectacle and violence in the media by focusing on war, sport and horror. Major themes examined include the Roman use of the Games and the chariot races (bread and circuses) and draws parallels with contemporary society, war as spectacle and the role of the military in society, sport as a substitute for political debate, the commercial aspect, sport as a genetic response, 'war minus the shooting', horror as an affirmation of social values especially Christian ones, the nature of the genera itself, why do you we like to be scared.

SOC 341 Special Topics in Sociology

Autumn	Wollongong	On Campus
--------	------------	-----------

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 16 cp at 200-level

Co-requisites: None

Subject Description: Topics for this subject may be chosen from any area of Sociology which the Convenor of Program considers to be of suitable substance and level to be offered as a SOC300 subject. This will be a reading course offered under the direct supervision of a member of staff. For details of availability of topics offered, students should consult the Convenor of Program. This subject is available only in special circumstances.

SOC 343 Living with Animals

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 16 cp at 200-level

Co-requisites: None

Subject Description: How do humans live with animals and animals with humans? Why do some humans save the whale, while others eat them? Why are pigs intensively farmed but cats and dogs sleep on/in human beds or are, at least, part of the family? Should animals have rights, be legally regarded as property or be seen as sentient beings with significant similarities to humans? Are zoos prisons and therefore unethical? These questions revolve around the cultural, legal and social mediations between animals and humans. The subject includes an exercise that invites students to undertake an autoethnography on their experiences of living with animals and provides an opportunity to address how we can change the ways in which we live with animals (via laws and social policy).

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	SOC 349 Governing Society, the Self and the Social <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 16cp at 200-level Co-requisites: None Subject Description: How are your everyday practices governed or is being governed only for those who need it, those who transgress like deviants, the mentally ill, criminals, youth 'gangs', dole 'bludgers', welfare 'cheats', etc? Do we only experience government through institutions and their processes, for example, medicine, law and social security? The theory of governance or governmentality (how the social is governed) practices of self (how we govern our self) and neo-liberalism (the politics through which society is governed) will be used to address these questions. The theories will be linked to a number of current issues, for example, self-esteem, crime prevention, pumping iron at the gym and unemployment.			and sustaining arguments. Students will also develop an Honours thesis research proposal and research timeline. Sociology Honours Social Theory Seminar: Supervised by sociology staff, students undertake an in-depth study of a particular theory or topic. Assessment is by written assignments totalling 6,000 words. The completed work can only indirectly relate to the Honours thesis.
Commerce	SOC 411 Sociology IV Honours Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 24 Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology. Co-requisites: None Subject Description: To be awarded a BA(Hons) in Sociology students must successfully complete two weekly seminars and must also undertake a supervised research project to be presented in a thesis of 15,000-20,000 words. NOTE: SOC411 is for students enrolling in Honours on a full-time basis. Part-time students should enrol in SOC412. Details of the two seminars are Advanced Research Methods in Sociology. In this seminar students will develop their honours thesis topic and consider the appropriate theories and methods, ethics of research, using data, locating the relevant literature and developing and sustaining arguments. Students will also develop an Honours thesis research proposal and research timeline. Sociology Honours Social Theory Seminar: Supervised by sociology staff, students undertake an in-depth study of a particular theory or topic. Assessment is by written assignments totalling 6,000 words. The completed work can only indirectly relate to the Honours thesis.			SOC 421 Joint Honours in Sociology and Another Discipline Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 24 Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology. Co-requisites: None Subject Description: The combined Honours course will consist of a program of study approved by the Convener of Sociology program and the School Honours Coordinator in collaboration with the other Program concerned. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in SOC 422
Creative Arts	SOC 412 Sociology IV Honours (PT) Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology. Co-requisites: None Subject Description: To be awarded a BA(Hons) in Sociology students must successfully complete two weekly seminars and must also undertake a supervised research project to be presented in a thesis of 15,000-20,000 words. NOTE: SOC412 is for students enrolling in Honours on a part-time basis. Full-time students should enrol in SOC411. Details of the two seminars are Advanced Research Methods in Sociology. In this seminar students will develop their honours thesis topic and consider the appropriate theories and methods, ethics of research, using data, locating the relevant literature and developing			SOC 422 Joint Honours in Sociology and Another Discipline (PT) Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology. Co-requisites: None Subject Description: The combined Honours course will consist of a program of study approved by the Sociology program convener and the School Honours Coordinator in collaboration with the other Program concerned. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in SOC 421.
Education	SOC 461 Joint Honours in Psychology and Sociology Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 24 Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects. Co-requisites: None Subject Description: A suitable program of study will be determined after consultation and approval by the relevant Honours coordinators. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in SOC 462.			SOC 462 Joint Honours in Psychology and Sociology (PT) Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology. Co-requisites: None
Engineering				
Health & Behavioural Sciences				
Informatics				
Law				
Science				

and active vocabulary development for use in oral communication, reading comprehension, stylistic analysis and written communication and composition.

SPAN252 Spanish Intermediate 2

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: SPAN251 or equivalent.

(Students who have not completed SPAN251 but have completed an equivalent subject need the approval of the subject co-ordinator to enrol)

Co-requisites: None

Exclusions: SPAN206

Subject Description: The programme for SPAN 251 is continued and expanded.

STS 100 Social Aspects of Science and Technology

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: (STS 103) OR (STS 190) OR (STS 200) OR (STS 203) OR (STS 290)

Subject Description: This subject introduces different ways of analysing the social and historical dimensions of science, medicine and technology - their origins, dynamics, impacts and management. After breaking down some common myths about science and technology and their relation to society, it shows how we can conceptualise and investigate in a more fruitful way the formation of scientific knowledge, the development of technological artefacts and systems, and debates and policies concerning scientific and technological issues.

STS 112 **Revolutions in science: history, philosophy and politics of science**

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This multi-media subject for beginners or near beginners in Spanish presupposes no prior study of the language. This subject emphasises oral communication (listening and speaking) and the development of competence in reading and writing through a functional-notional approach. There is a major emphasis on the communicative functions and structural aspects of the language and the development of those skills necessary to achieve a basic understanding of the Spanish language.

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: (STS 117) OR (STS 192) OR (STS 212)
OR (STS 217) OR (STS 292) OR (HIST250)

Subject Description: This subject introduces fundamental issues and techniques in the history and philosophy of science. It examines revolutions in science such as the Scientific Revolution (the origins of modern European science). The social, religious, political and economic factors shaping the emergence and content of new science are analysed. Emphasis is placed on critical historical thinking and use of tools from the sociology of scientific knowledge.

STS 116 **Environment in Crisis:
Technology and Society**

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SPAN151

Co-requisites: None

Subject Description: The programme begun in SPAN 151 is sustained and developed, advancing students' proficiency in listening, speaking, reading and writing, and emphasising both communicative and structural aspects of the language.

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: (STS 216) OR (STS 218)

Subject Description: This subject deals with the technological and social causes of environmental problems and the obstacles in the way of solutions being found to these problems. A range of case studies is used to illustrate the role of human activities in the environmental crisis and its solution. A focus on

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: SPAN152 or equivalent.

(Students who have not completed SPAN152 but have completed an equivalent subject need the approval of the subject co-ordinator to enrol)

Co-requisites: None

Exclusions: SPAN205

Subject Description: This subject further develops all the communicative skills in Spanish through the introduction of more complex language structures

particular industries is complemented by an examination of the parts played by the media, governments, scientists, corporations and the community.

STS 120 Technology in Society: East and West

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: (STS 220) OR (STS 221)

Subject Description: The role of technology in the functioning of the modern industrial nation has become the focus of international attention. The Asia-Pacific region has expanded in influence, transnational corporations have proliferated and the older industrial nations are attempting to adjust. Why have these changes taken place and what do they mean? This subject investigates the social, economic, and political context of technological change.

STS 128 Computers in Society

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: STS 228

Subject Description: Computers in Society is about the social aspects of computers and, more generally, information technologies. It is about understanding the impacts, both good and bad, of computers on society. It is about the choices that people can make concerning computers, and about who has the most power to make such choices. It is about various aspects of society – corporations, governments, families, etc. – and how they have shaped and been shaped by computers.

STS 215 Globalisation: technology, culture and media

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: Any 36 credit points

Co-requisites: None

Exclusions: STS 315

Subject Description: The view that scientific, technological and economic development automatically leads to progress is very common. It underlies the thrust for spreading western technological and economic systems throughout the world. The historical development of this view is critically examined and the role that the media has played in its propagation discussed.

STS 218 Environment in Crisis: Technology and Society

Spring Moss Vale Flexible

Spring Shoalhaven Flexible

Spring Bega Flexible

Spring Batemans Bay Flexible

Credit Points: 8

Pre-requisites: 36 cp at 100 level

Co-requisites: None

Exclusions: (STS 116) OR (STS 216)

Subject Description: This subject deals with the technological and social causes of environmental problems and the obstacles in the way of solutions being found to these problems. A range of case studies

is used to illustrate the role of human activities in the environmental crisis and its solution. A focus on particular industries is complemented by an examination of the parts played by the media, governments, scientists, corporations and the community.

STS 223 The Politics of Medicine and Health

Not on offer in 2007

Credit Points: 8

Pre-requisites: 36cp

Co-requisites: None

Exclusions: (STS323) OR (STS936)

Subject Description: This subject explores the social, economic and political dimensions of medicine and health care: the forces shaping them, their implications and their limitations. Themes and topics may include: the shaping of medical knowledge and discourses, and concepts of health and sickness; institutions and markets; evaluation of new remedies; technological innovation; health and medical policies; the politics of cancer; health in the workplace; ethical dilemmas; critiques of conventional medicine and health care; alternative health practices.

STS 238 Changing Images of Nature and the Environment

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: Any 36 credit points

Co-requisites: None

Exclusions: STS338

Subject Description: This subject employs historical methods to survey struggles to construct and impose images of nature. Topics include: 17th century debates over mechanism and human domination of nature; the Enlightenment and the Romantic backlash; the rise of new disciplines of geology and biology; the Darwinian synthesis; and the social construction of 'wilderness'. Attention is paid to developing students' ability to analyse contemporary environmental debates in contextual and historical terms.

STS 250 From Molecular Genetics to Biotechnology

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp including 6cp STS or 6cp BIOL

Co-requisites: None

Exclusions: STS350

Subject Description: This subject examines the development, impact and social context of molecular biology and genetic engineering. Topics may include: the development of a model for DNA; the development of recombinant DNA techniques; Asilomar and safety; corporate influence on molecular biology; ethical and political issues in genetic screening and genetic engineering; regulation of biotechnology and social control of research priorities; legal and moral issues in the patenting of life forms; the human genome project; the release of recombinant organisms; and biotechnology industry in Australia.

STS 251 From Molecular Genetics to Biotechnology

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 36 credit points, including an STS subject or BIOL103 or other relevant subject as determined by Program Convenor

Co-requisites: None
Exclusions: STS250

Subject Description: This subject examines the development, impact and social context of molecular biology and genetic engineering. Topics may include: the development of a model for DNA; the development of recombinant DNA techniques; Asilomar and safety; corporate influence on molecular biology; ethical and political issues in genetic screening and genetic engineering; regulation of biotechnology and social control of research priorities; legal and moral issues in the patenting of life forms; the human genome project; the release of recombinant organisms; and biotechnology industry in Australia.

STS 278 Scientific and Technological Controversy

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: Any 36 credit points

Co-requisites: None

Exclusions: STS329

Subject Description: Recent studies of scientific and technological controversies have shown that scientific facts and technological systems cannot be dissociated from the social and political interests which they embody. According to this approach, controversies must be treated as inherently social and political processes where there are no impartial experts. This subject will consider the process by which scientific and technological controversies arise, are prosecuted and resolved, making extensive use of case studies.

STS 288 Science and the Media

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: Any 36 credit points

Co-requisites: None

Exclusions: STS388

Subject Description: Science increasingly frames social debates, and is itself socially directed. The media play a central role in both processes, a role often subject to criticism, especially from scientists. This subject examines the complex social dimensions of the relation between science, media and the 'public'. Topics may include: scientific knowledge in political debates; public understanding of science; media portrayals of science and scientists; science journalism; science as 'public knowledge'; and pro- versus anti-science 'movements'.

STS 300 The Environmental Context

Autumn Shoalhaven Flexible

Autumn Bega Flexible

Autumn Batemans Bay Flexible

Autumn Wollongong On Campus

Autumn Moss Vale Flexible

Credit Points: 8

Pre-requisites: Any 36 credit points

Co-requisites: None

Subject Description: Perspectives on the wider political, economic and social context of the environment are developed and explored. Topics covered include: an analysis of the principles and goals of sustainable

development including issues of growth, valuation of the environment, the global dimension and equity; politics and social dynamics of environmental controversies; the politics of scientific knowledge about the environment; methods and policies for managing the environment.

STS 306 Special Topics in the Social and Policy Aspects of Engineering

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: An STS subject or ENGG261 or equivalent, and approval of Convenor of Program

Co-requisites: None

Subject Description: This subject allows Engineering students to examine specific social, historical or policy aspects of engineering projects or of the work of engineers or technologists. Students must obtain the approval of the Engineering Faculty for the subject to count towards their degree and the approval of the STS Program for a specific programme of work.

STS 322 Politics in a Technological Society

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 16 cp at 200-level including an STS or POL 200-level subject

Co-requisites: None

Subject Description: This subject explores the relation between technology and politics. It introduces contending theoretical frameworks and specific concepts and analytical tools, and explores their usefulness for understanding the different contexts of technological development, key institutions, some major political controversies over technologies, and many specific examples of the shaping and selection of technologies and the treatment of social issues around them.

STS 335 The Politics of Risk

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16 cp at 200 level

Co-requisites: None

Exclusions: (STS 235) OR (STS 376) OR (STS931)

Subject Description: This subject examines hazards to human life and health associated with technologies - in the workplace and the wider environment. It focuses on the politics and economics of the generation and distribution of hazards; methods and problems in analysing and evaluating risks; discourses, debates and decision-making on hazards; and strategies for managing them. It compares different theoretical approaches for explaining these processes and debates and for informing intervention in them.

STS 336 Advanced Topics in the History of Science 1500-1800

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16 cp at 200 level including 8cp STS

Co-requisites: None

Subject Description: This subject deals each year with one advanced history of science topic in the Scientific Revolution and/or Enlightenment. Textual criticism of primary sources is emphasised, along with recent historiographical debates. Topics include: the body in the Scientific Revolution; Descartes and the rise of the

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Mechanical Philosophy; the experimental life – origins or processes; Newton and Newtonianism; the natural philosophical field and its sites – universities, courts, scientific societies and correspondence networks.

STS 341 Technological Change, Popular Culture and New Media

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 16 cp at 200 level

Co-requisites: None

Exclusions: (STS 240) OR (STS 241) OR (STS 340)

Subject Description: Drawing from a variety of literatures, but mainly those concerned with the social relations of technology, STS341 investigates questions such as: (i) What are the relations between technological change and cultural change? (ii) Are the cultural relations involving new media', such as the internet and other digital information technologies, able to be understood within traditional models of power and politics? (iii) Can we identify basic patterns of social change beneath the surface of the morass of confusing technological changes involving 'new media'? (iv) What opportunities are available to shape and control these new technologies? (v) What are some of the new possibilities for personal expression and political participation ... and what are some of the limits? The subject links these questions to a number of key theoretical concepts, including: technological determinism; social shaping of technology; technological utopianism and anti-utopianism; gender; culture; power; panopticism; commodification and consumption.

STS 360 Technology and Body Politics

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16 cp at 200 level including 8cp STS

Co-requisites: None

Exclusions: STS 260

Subject Description: People's understanding and images of the body, health and human nature have been structured by the science, medicine, popular belief and larger social forces of different historical periods. An understanding of this shaping of medical knowledge is essential to a critical awareness of contemporary health issues. This subject examines the social history of science, medicine and culture and introduces Foucauldian, feminist and social constructivist perspectives.

STS 376 The Politics of Risk

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 16 credit points at 200 level

Co-requisites: None

Exclusions: STS 235 OR STS 335 OR STS 931

Subject Description: This subject examines hazards to human life and health associated with technologies – in the workplace and the wider environment. It focuses on the politics and economics of the generation and distribution of hazards; methods and problems in analysing and evaluating risks; discourses, debates and decision-making on hazards; and strategies for managing them. It compares different theoretical approaches for explaining these processes and debates and for informing intervention in them.

STS 390 Media, War and Peace

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 24 credit points at 200 level

Co-requisites: None

Subject Description: War and violence are staples of media coverage. Explaining the content and style of coverage requires understanding both of media dynamics and international politics. Through case studies of war and peace journalism, military censorship and media management, and the psychology and politics of denial and acknowledgement of atrocities, students will learn how to interpret and intervene in media coverage on war and peace, violence and nonviolence. Use will be made of frameworks from communication theory, politics, and peace research.

STS 399 Research Topics in Science and Technology Studies

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 16 credit points at 200 level including 8cp STS and approval of Convenor of Program

Co-requisites: None

Subject Description: This subject involves reading and research, supervised by one or more members of STS staff, and the production of a major report, on a topic the Program considers suited to the student's background, record and specialisation. A seminar presentation and/or other written assignments may also be required in the course of the research. Students must seek approval to enrol and must negotiate a topic before session starts.

STS 411 Science, Technology and Society Honours

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in STS with at least 70% average plus two Distinctions at 300 level subjects in STS.

Co-requisites: None

Subject Description: Honours students undertake one subject on theory and methods in STS, one specialist reading subject and 15,000–20,000 word thesis. Detailed advice regarding coursework subjects can be provided by the STS Program Convenor. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in STS 412.

STS 412 Science, Technology and Society Honours (PT)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in STS with at least 70% average plus two Distinctions at 300 level subjects in STS.

Co-requisites: None

Subject Description: Honours students undertake one subject on theory and methods in STS, one specialist reading subject and 15,000–20,000 word thesis. Detailed advice regarding coursework subjects can be provided by the STS Program Convenor. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in STS 411.

STS 431 Joint Honours in Science, Technology & Society & Another Discipline

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: Major in STS with at least 70% average plus two Distinctions at 300 level subjects.

Co-requisites: None

Subject Description: Joint Honours consists of components from the Honours programs of each unit approved by both School Honours Coordinators as forming a coherent program, including a jointly supervised thesis (for example, the popular STS & Geosciences combination in the Resource and Environmental Studies major can lead to Joint Honours in STS & Geosciences). Students should have completed studies in both disciplines accepted as equivalent to a major. Typically the STS coursework component is the Honours theory and methods seminar. Students considering Honours in STS should contact the Honours Coordinator or STS Program Convenor well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in STS 432.

STS 432 Jt Honours in Science Technology & Society & Another Discipline (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Major in STS with at least 70% average plus two Distinctions at 300 level subjects.

Co-requisites: None

Subject Description: Joint Honours consists of components from the Honours programs of each unit approved by both School Honours Coordinators as forming a coherent program, including a jointly supervised thesis (for example, the popular STS & Geosciences combination in the Resource and Environmental Studies major can lead to Joint Honours in STS & Geosciences). Students should have completed studies in both disciplines accepted as equivalent to a major. Typically the STS coursework component is the Honours theory and methods seminar. Students considering Honours in STS should contact the Honours Coordinator or STS Program Convenor well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in STS 431.

WAR 300 War and Society

Not on offer in 2007

Credit Points: 8

Pre-requisites: 52 credit points

Co-requisites: None

Subject Description: Using different perspectives, this subject introduces students to broad questions of war, its nature, its impact on society and its representations. Issues discussed include the definitions and causes of war, the nature of combat, international diplomacy and war, gender and war, war as represented in literature and

popular culture and the place of war in notions of national identity. It is informed by, and informs, the elective subjects offered in the Studies in War and Society major.

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Faculty of Commerce

Member Units

School of Accounting and Finance

School of Economics

School of Management and Marketing

Degrees Offered

Single Degrees

Bachelor of Business Administration

Dean's Scholars – Bachelor of Business Administration

Bachelor of Business Administration (Event Management)

Bachelor of Business Administration (Hospitality)

Bachelor of Business Administration (Tourism Management)

Bachelor of Commerce

Dean's Scholars – Bachelor of Commerce

Bachelor of Commerce (Honours)

Bachelor of Mathematics and Finance

Bachelor of Mathematics and Economics

Double Degrees

Bachelor of Arts – Bachelor of Commerce

Bachelor of Communication and Media Studies – Bachelor of Commerce

Bachelor of Creative Arts – Bachelor of Commerce

Bachelor of Engineering – Bachelor of Commerce

Bachelor of Commerce – Bachelor of Laws

Bachelor of Science (Faculty of Science) – Bachelor of Commerce

Bachelor of Science (Faculty of Health and Behavioural Sciences) – Bachelor of Commerce

Bachelor of Psychology – Bachelor of Commerce

Bachelor of Journalism – Bachelor of Commerce

Bachelor of Medical Science – Bachelor of Commerce

For tuition fee information please see the following:

Domestic – www.uow.edu.au/student/finances/studentcontributions.html

International – www.uow.edu.au/prospective/international/fees/

This publication contains information which is current at December 2006. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Business Administration

Arts	Testamur Title of Degree:	Bachelor of Business Administration
	Abbreviation:	BBA
	Home Faculty:	Commerce
	Duration:	3 years or part-time equivalent
Commerce	Total Credit Points:	144
	Delivery Mode:	Face to Face
	Starting Session(s):	Autumn/Spring
	Location/UOW Course Code/UAC Code:	Wollongong/ 783/ 753602
		Shoalhaven/ SH783/ 753603
		Batemans Bay/ BB783/ 753604
		Bega/ BE783/ 753605
		Moss Vale/ MV783/ 753606
		Loftus/ LO783/ 753607
	CRICOS Code:	039557G

Overview

A generalist degree designed to provide students with a broad educational base in business as preparation for a variety of positions in corporations, small businesses and the public sector. Students are exposed to a series of foundation subjects that provide a solid basis for developing a higher-level understanding of all the principal areas of business including: accountancy, finance, information systems, marketing and management. It is not suitable for students who wish to major in a specialised area of Commerce.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year. Entry for 2006 for the Wollongong campus was UAI 80.

Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

- To qualify for the award of the Bachelor of Business Administration a candidate shall accrue an aggregate of 144 credit points by satisfactory completion of subjects listed in the program of study including electives.
- Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
- Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration does not satisfy degree requirements.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM110	Introduction to Business Information Systems	Autumn	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
LAW100	Law in Society	Autumn	6
MGMT102	Business Communications	Spring	6
MGMT110	Introduction to Management	Autumn	6

MARK101	Marketing Principles	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Introductory Business Finance	Autumn/Spring	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
Plus one of each of the following pairs of subjects (Note that in some locations only one subject from each pair may be offered).			
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN226	Financial Markets and Institutions	Spring	6
FIN223	Investment Analysis	Spring	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT206	Managing Human Resources	Autumn/Spring	6
BUSS308	Information Systems Management	Spring	6
ECON309	Environmental Economics	Spring	6
MGMT316	Operations Management	Spring	6
MGMT389	International Business Management	Autumn	6
Plus 18 credit points of electives of which only 12 credit points may be from 100-level subjects.			

Other Information

Additional information can be obtained by contacting commerce@uow.edu.au.

Dean's Scholars – Bachelor of Business Administration

Testamur Title of Degree:	Dean's Scholars - Bachelor of Business Administration
Abbreviation:	BBADS
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Day/evening
Starting Session(s):	Autumn/Spring
Location:	Wollongong, Shoalhaven, Batemans Bay, Bega, Moss Vale, Loftus
UOW Course Code/UAC Code:	Wollongong/ 783A/ 753920 Shoalhaven/ SH783A /753921 Bateman's Bay/ BB783A/ 753922 Bega/ BE783A/ 753923 Moss Vale/ MV783A/ 753924 Loftus/ LO783A/ 753925
CRICOS Code:	039557G

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Overview

This degree provides an enriched educational experience for high achieving students that will encourage them to continue their studies through to the completion of honours and research degrees. This course is available to a limited number of candidates. Dean's Scholars receive one to one academic mentoring and have special opportunities to attend workshops and seminars. The degree includes the awarding of a book allowance and access to work experience.

Entry Requirements

Entry will be by application form and interview for candidates with a minimum UAI of 93 or equivalent. Current Commerce students can apply for a course transfer to this program after completion of a minimum of 48 credit points at the University of Wollongong.

Course Requirements

1. To qualify for the award of the Deans Scholars Bachelor of Business Administration a candidate shall accrue an aggregate of 144 credit points by satisfactory completion of subjects listed in the program of study including electives.
2. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration does not satisfy degree requirements.
4. Candidates for this degree will be required to maintain a Weighted Average Mark (WAM) of at least 75 each year to continue in the program

Course Program

Dean's Scholars will complete all requirements as listed for the Bachelor of Business Administration degree and may be permitted to take accelerated programs after their first session.

Other Information

Additional information can be obtained by contacting commerce@uow.edu.au.

Bachelor of Business Administration (Event Management)

Testamur Title of Degree:	Bachelor of Business Administration (Event Management)
Abbreviation:	BBA (EM)
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Day/evening
Starting Session(s):	Autumn
Location/UOW Course Code/UAC Code	Loftus/ LO783/ 753913 Shoalhaven /SH783/ 753914 Wollongong /783/ 753915
CRICOS Code:	058674A

Overview

The BBA (Event Management) is delivered jointly by the University of Wollongong and the Institute of TAFE. Upon completion, students receive a BBA degree from the University of Wollongong and a Diploma in Event Management from TAFE. The program offers broad and comprehensive preparation for students wishing to pursue a career in event management.

Entry Requirements / Assumed Knowledge

Assumed knowledge is any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year.

Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/course/rules/advancedstanding.html

Course Requirements

This course is offered in conjunction and concurrently with the TAFE Diploma in Event Management. The Event Management component will be delivered by TAFE and result in the award of a Diploma in Event Management.

1. To qualify for the award of Bachelor of Business Administration (Event Management) a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in the program of study.
2. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration (Event Management) does not satisfy the degree requirements.

Cross articulation may occur between the TAFE Diploma in Event Management and the University of Wollongong Bachelor of Business Administration (Event Management) provided these courses are completed concurrently.

Should the Diploma in Event Management be completed prior to enrolling in the BBA the standard articulation agreement will apply.

All admission applications must be completed on an Undergraduate Course Application Form.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Introductory Business Finance	Autumn	6
MARK217	Consumer Behaviour	Autumn	6

Plus one of each of the following pairs of subjects

(Note that in some locations only one subject from each pair may be offered).

BUSS211	Requirements Determination and Systems Analysis	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN226	Financial Markets and Institutions	Spring	6
FIN223	Investment Analysis	Spring	6
BUSS308	Information Systems Management	Spring	6
ECON309	Environmental Economics	Spring	6
MGMT316	Operations Management	Spring	6
MGMT389	International Business Management	Autumn	6

Plus those subjects for which credit is granted for the TAFE Diploma in Event Management.

Additional information can be obtained by contacting commerce@uow.edu.au.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Business Administration (Hospitality)

Arts	Testamur Title of Degree:	Bachelor of Business Administration (Hospitality)
	Abbreviation:	BBA (Hosp)
	Home Faculty:	Commerce
	Duration:	3 years or part-time equivalent
Commerce	Total Credit Points:	144
	Delivery Mode:	Day/evening
	Starting Session(s):	Autumn
	Location/UOW Course Code/UAC Code:	Wollongong/ 783H/ 753910 Shoalhaven/ SH783H/ 753911 NA 2007 Loftus/ LO783H/ 753912
	CRICOS Code:	042546G

Overview

The BBA (Hospitality) is delivered jointly by the University of Wollongong and the Institute of TAFE. Upon completion, students receive a BBA degree from the University of Wollongong and a Diploma in Hospitality from TAFE. The program offers broad and comprehensive preparation for students wishing to pursue a management career in the hospitality industry.

Entry Requirements / Assumed Knowledge

Students need to be 18 years of age by 1 April in their first year of TAFE enrolment. Assumed knowledge is any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year. Entry for 2006 was UAI 80.

Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

This course is offered in conjunction and concurrently with the TAFE Diploma in Hospitality Management. The Hospitality Management component will be delivered by TAFE and result in the award of a Diploma in Hospitality Management.

- To qualify for the award of Bachelor of Business Administration (Hospitality) a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in the program of study.
- Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
- Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration (Hospitality) does not satisfy the degree requirements.

Cross articulation may occur between the TAFE Diploma in Hospitality Management and the University of Wollongong Bachelor of Business Administration (Hospitality) provided these courses are completed concurrently. Should the Diploma in Hospitality Management be completed prior to enrolling in the BBA the standard articulation agreement will apply.

All admission applications must be completed on an Undergraduate Course Application Form.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6

ACCY211	Management Accounting II	Autumn	6
FIN221	Introductory Business Finance	Autumn/Spring	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6

Plus one of each of the following pairs of subjects

(Note that in some locations only one subject from each pair may be offered.)

BUSS211	Requirements Determinations and Systems Analysis	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6

FIN226	Financial Markets and Institutions	Spring	6
FIN223	Investment Analysis	Spring	6

BUSS308	Information Systems Management	Spring	6
ECON309	Environmental Economics	Spring	6

MGMT316	Operations Management	Spring	6
MGMT389	International Business Management	Autumn	6

Plus those subjects for which credit is granted for the TAFE Diploma in Hospitality Management.

Other Information

For additional information contact commerce@uow.edu.au

Bachelor of Business Administration (Tourism Management)

Testamur Title of Degree:	Bachelor of Business Administration (Tourism Management)
Abbreviation:	BBA (TM)
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Day/evening
Starting Session(s):	Autumn
Location/UOW Course Code/UAC Code:	Wollongong/ 783TM/ 753918
CRICOS Code:	058673B

Overview

The BBA (Tourism Management) is delivered jointly by the University of Wollongong and the Institute of TAFE. Upon completion, students receive a BBA degree from the University of Wollongong and a Diploma in Tourism Management from TAFE. The program offers broad and comprehensive preparation for students wishing to pursue a management career in the tourism industry.

Entry Requirements / Assumed Knowledge

Students need to be 18 years of age by 1 April in their first year of TAFE enrolment. Assumed knowledge is any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year.

Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/courserules/advancedstanding.html

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Course Requirements

This course is offered in conjunction and concurrently with the TAFE Diploma in Tourism Management. The Tourism Management component will be delivered by TAFE and result in the award of a Diploma in Tourism Management.

1. To qualify for the award of Bachelor of Business Administration (Tourism Management) a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in the program of study.
2. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration (Tourism Management) does not satisfy the degree requirements.

Cross articulation may occur between the TAFE Diploma in Tourism Management and the University of Wollongong Bachelor of Business Administration (Tourism Management) provided these courses are completed concurrently.

Should the Diploma in Tourism Management be completed prior to enrolling in the BBA the standard articulation agreement will apply.

All admission applications must be completed on an Undergraduate Course Application Form.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Introductory Business Finance	Autumn/Spring	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
Plus one of each of the following pairs of subjects			
(Note that in some locations only one subject from each pair may be offered.)			
BUSS211	Requirements Determinations and Systems Analysis	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN226	Financial Markets and Institutions	Spring	6
FIN223	Investment Analysis	Spring	6
BUSS308	Information Systems Management	Spring	6
ECON309	Environmental Economics	Spring	6
MGMT316	Operations Management	Spring	6
MGMT389	International Business Management	Autumn	6

Plus those subjects for which credit is granted for the TAFE Diploma in Tourism Management.

Other Information

For additional information contact commerce@uow.edu.au

Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Commerce
Abbreviation:	BCom
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location/UOW Course Code/UAC Code:	Wollongong/ 710/ 753602 Shoalhaven/ SH710/ 753603 Bateman's Bay/ BB710/ 753604 Bega/ BE710/ 753605 Moss Vale/ MV710/753606
CRICOS Code:	027464A

Overview

This degree is designed for students who would like to major in one or more of the principle areas of business and commerce. It is a suitable preparation for students who would like to become professionals in a particular discipline or want to pursue a general career in business. The degree consists of two components a core and a major(s). The core includes an integrating subject that is designed to bring students studying different majors together to examine a contemporary topic. The aim is to provide a foundation for the understanding of the business and commercial environment.

Entry Requirements / Assumed Knowledge

Assumed Knowledge – any two units of English.

Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year. Entry for 2006 was UAI 80. Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

- To qualify for award of the degree of Bachelor of Commerce a candidate shall accrue an aggregate of at least 144 credit points, including a major study, by satisfactory completion of subjects listed in the General Schedule.
- Students must complete and pass all core subjects plus one of the approved BCom degree majors, double majors or a major and a minor and elective subjects.
- Of the 144 credit points not more than 72 credit points shall be for 100 level subjects.
- Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject for the selected major area does not satisfy degree requirements. A student wishing to graduate with a double major must obtain clear passes in both majors at 300-level to satisfy requirements.
- Each major in the BCom requires 48 credit points and each minor requires 24 credit points as specified in the relevant schedules. The following rules apply:
 - Students must complete at least one major but may complete two if they wish. A single subject may count towards two different majors. However, such double counting can apply to only one, 6 credit point subject. Thus completing a second major will require completion of an additional 42 to 48 specified credit points. Where two or more subjects are common to two majors, the relevant Head of School will designate a replacement subject(s).
 - Students may complete one or two of the designated minors but the completion of a minor is not a degree requirement. A minor cannot be completed in the same discipline as the major, for example an Accountancy Major with an Accountancy Minor. A single subject may not count towards a major and minor or towards two minors; double counting is not permitted when completing a minor. Thus completing each minor will require an additional 24 specified credit points. Where one (or more) subject(s) is common to a major and a minor or to two different minors, the relevant Head of School will designate a replacement subject(s).

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Course Program

Commerce Core

Code	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn/Spring	6
ACCY102	Accounting IB	Spring	6
COMM110	Introduction to Business Information Systems	Autumn/Spring	6
COMM121	Quantitative Methods I	Autumn/Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
MARK101	Marketing Principles	Autumn/Spring	6
MGMT110	Introduction to Management	Autumn/Spring	6

Plus at least one Integrating subject selected from:

Code	Subject	Session	Credit Points
COMM303	Development of Modern Business	Spring	6
COMM351	Business Ethics and Governance	n/o 2007	6
COMM327	Business Innovation, Technology and Policy	Autumn/Spring	6
COMM328	Contemporary Issues in Commerce	n/o 2007	6

Total Credit Points in Core = 54

Accountancy students may substitute STAT131 Understanding Variation and Uncertainty for COMM121 Quantitative Methods I. Note: entry to this subject depends on HSC or equivalent performance (see General Schedule, Faculty of Informatics, School of Mathematics and Applied Statistics, for details).

Major Study Areas:

Students taking a major in a degree offered by a Faculty other than the Faculty of Commerce are not required to complete the core subjects in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the major. All students must satisfy subject prerequisites except where waivers have been granted.

Accountancy

Whether they work in a large multinational corporation, a government agency or a small company, accountants play a pivotal role in advising senior management on the financial direction of the enterprise.

Professional Recognition

On completion of a Bachelor of Commerce (Accountancy) degree you will have gained the necessary skills and qualifications to work as an accountant.

To be eligible for membership of the two Australian accounting professional bodies, CPA Australia and the Institute of Chartered Accountants in Australia (ICAA), students must complete subjects in addition to those specified for the Bachelor of Commerce degree. These subjects are noted below.

Graduates are also eligible to join the international organisation, Association of Chartered Certified Accountants (ACCA).

Subjects required for major study

Code	Subject	Session	Credit Points
ACCY200	Financial Accounting IIA	Autumn	6
ACCY201	Financial Accounting IIB	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Introductory Business Finance	Autumn/Spring	6
ACCY302	Financial Accounting III	Autumn	12
ACCY312	Management Accounting III	Spring	6
ACCY342	Auditing and Assurance Services	Autumn	6

Additional specified subjects (30 credit points) required for professional accreditation; ACCY231, LAW100, LAW210, LAW302 and LAW315. The last four subjects constitute a minor in Business Law.

Other information

For additional information contact accfin@uow.edu.au

Financial Planning

Financial planners must have an understanding not only of finance but also of accounting, management and marketing. Financial Planning is the design of specific financial outcomes that meet a client's unique needs and objectives, given the clients financial resources and risk profile. Its broad approach is to fulfil the clients total needs and to incorporate within it, the areas of investment planning, taxation and social services planning, retirement planning, risk planning and estate planning. This major builds the skill set needed for recognition by the Australian Securities and Investments Commission and the Financial Planning Association, allowing finance graduates who choose this major to work as a financial planner in banks, life insurance companies or credit unions, fund management, employed by corporate entities or self employed

Professional Recognition

On completion of a Bachelor of Commerce (Financial Planning), you will have gained the necessary skills and qualifications to work as a financial planner offering services to a broad clientele. This degree meets the training requirements of the Australian Securities and Investments Commission (ASIC) and is accredited as meeting all the skill and knowledge components of Policy Statement 146 (PS146) Tier 1 and is listed on the ACIS Training Register. The degree is also recognised by the Financial Services Institute of Australasia (FINSIA) and is accredited with the Financial Planning Association (FPA) for entry into the FPA CFP Education Program.

Subjects required for major study

Code	Subject	Session	Credit Points
LAW100	Law in Society	Autumn	6
FIN251	Introduction to Financial Planning	Autumn	6
ACCY228	Tax Planning	Spring	6
FIN223	Investment Analysis	Spring	6
FIN328	Retirement and Estate Planning	Autumn	6
FIN323	Portfolio Management	Autumn	6
FIN320	Risk and Insurance	Spring	6
FIN329	Advanced Financial Planning	Spring	6

Note: Students undertaking a double major with Finance are required to substitute an additional 300-level FIN subject for FIN323 in their Finance major.

Other Information

For additional information contact accfin@uow.edu.au

Business Information Systems*

This course is designed for those who wish to enter a career as a professional systems analyst or as an information systems specialist in a business environment. Students who complete this major at the required standard may be accepted to proceed to the Honours year, which involves advanced study and a significant research report, or undertake the Master of Information Systems.

Professional Recognition

Students require all subjects from both strands (72 credit points) for accreditation by the Australian Computer Society (ACS). The major study has accreditation with the Australian Computer Society and the double major with Accountancy has accreditation with CPA Australia and the Institute of Chartered Accountants in Australia (ICAA).

Subjects required for major study

Code	Subject	Session	Credit Points
BUSS111	Introductory Programming for Information Systems	Spring	6
BUSS212	Database Management Systems	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS318	Information Systems Project	Spring	6
Plus 24 credit points selected from either Systems Analysis and Design Strand			
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS218	Systems Design and Architecture	Spring	6
BUSS308	Information Systems Management	Spring	6
BUSS316	Information Systems Prototyping	Autumn	6
Or Information Systems Development Strand			
BUSS214	Information Systems Development I	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BUSS215	Information Systems Development II	Spring	6
	BUSS312	Business Data Communications	Autumn	6
	BUSS317	Information Systems Development & Integration	Spring	6
	*The Information Systems discipline operates within the Faculty of Informatics. 2007 is the final intake under the administration of the Faculty of Commerce.			
Commerce	Business Law The Business Law major provides graduates with the skills and knowledge base that are critical to successfully understanding the context, application and impact of law on the structures and transactions of business. After completing the foundation law subjects, students are able to choose from a large range of specialist subjects. The Business Law major may be taken separately or in conjunction with any other major in the Commerce Schedule and complements other discipline studies, providing a legal framework perspective on the institutions and structures of those disciplines. Students considering transferring to the double degree Bachelor of Commerce-Bachelor of Law should seek academic advice before enrolling in any subject in this major			
Creative Arts	Subjects required for major study			
Education	Code	Subject	Session	Credit Points
	LAW100	Law in Society	Autumn	6
	LAW210	Contract Law	Spring	6
	Plus 36 credit points selected from:			
Engineering	LAW302	Law of Business Organisations	Autumn	6
	LAW315	Taxation Law	Spring	6
	LAW316	Occupational Health and Safety Law	Autumn	6
	LAW317	E-Commerce Law	Spring	6
Health & Behavioural Sciences	LAW321	Banking Law	Spring	6
	LAW330	Law of Employment	Autumn	6
	LAW331	Intellectual Property Law	Autumn	6
	LAW332	Labour Relations Law	Spring	6
Informatics	LAW335	Anti-Discrimination Law	Spring	6
	LAW348	Media Law	Spring	6
	LAW352	Advanced Taxation Law	Autumn	6
	LAW360	Foreign Investment Law in the People's Republic of China	n/o 2007	6
Law	Economics Economics is the study of the economy at the micro and macro levels. Areas of interest to economists include the behaviour of consumers and business firms, the labour market, health care, the environment, technology and innovation, economic growth and development, monetary and fiscal policy, international trade and finance, and the global economy. Students taking an Economics major will study the theory, policies, practices and institutions of national economies and the international economy. They will learn tools of analysis that can be applied to a wide range of economic issues.			
	Subjects required for major study			
	Code	Subjects	Session	Credit Points
	ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6	
ECON222	Quantitative Methods II	Autumn/Spring	6	
ECON305	Economic Policy	Spring	6	
ECON316	History of Economic Thought	Autumn	6	
Science	Or			
	ECON304	The Historical Foundations of the Modern Australian Economy	Autumn	6
	Plus 18 credit points, 12 of which must be from 300-level Economics subjects and the other 6 from 200- or 300-level Economics subjects.			

Finance

Finance studies the ways in which individuals, businesses, and other organisations raise, allocate and use money. Individuals need to allocate their savings among different investment alternatives, businesses and other organisations need to raise and invest capital to provide value for their owners, and individuals, businesses and other organisations use financial markets to exchange capital with each other. Finance majors are undertaken by students for three main reasons. One reason is to pursue a career in finance. This can be rewarding for individuals who are interested in analysing and solving financial problems. Another reason is where a student is majoring in another field, but is interested in understanding the firm as a whole. Since finance underlies all business functions, a better understanding of financial decision-making is essential for business success. A final reason is that a student is interested in learning about finance for personal reasons. All individuals can benefit from an understanding of how finance affects their lives and with this knowledge making better financial decisions.

Preparatory Studies

Accounting, Economics, Mathematics and Statistics are all important foundations for understanding the theory and applications of finance principles. However, behavioural studies are also important for an understanding of applied finance issues and decision-making.

Professional Recognition

Recognised by the Financial Services Institute of Australasia (FINSIA)

Subjects required for major study

Code	Subjects	Session	Credit Points
FIN221	Introductory Business Finance	Autumn/Spring	6
FIN226	Financial Markets and Institutions	Autumn/Spring	6
FIN223	Investment Analysis	Spring	6
ECON240	Financial Modelling	Spring	6
FIN322	Advanced Business Finance	Spring	6
FIN323	Portfolio Management	Autumn	6
Plus 12 credit points selected from:			
FIN325	Bank Management	Autumn	6
FIN324	Financial Statement Analysis	Autumn	6
FIN327	Entrepreneurial Finance	Autumn	6
FIN320	Risk and Insurance	Spring	6
FIN351	International Finance	Spring	6
ECON331	Financial Economics	Spring	6

Note: Students undertaking a double major with Financial Planning are required to substitute an additional 300-level FIN subject for FIN323 in their Financial Planning major. With permission of Head of Finance Discipline, students may include FIN359 Selected Issues in Finance in the 300-level electives.

Other Information

For additional information contact accfin@uow.edu.au

Human Resource Management

Increasingly, business firms and the public sector recognise that a major source of sustainable success is found in capable and productive human resources. The human resource management (HRM) major focuses on the people side of organisations. It is relevant to students wishing to pursue a professional career in HRM as well as to those students who see people management as a necessary part of their future skills portfolio.

The major provides students with an understanding of human resource management theories, concepts and applications. This includes detailed study of theory and practices in key functional areas of HRM, including job analysis, recruitment and selection, training and development, change management and occupational health and safety management.

Professional Recognition

The HRM major has accreditation from the Australian Human Resources Institute. Students are eligible for membership of the Institute.

Subjects required for major study

Code	Subjects	Session	Credit Points
MGMT201	Organisational Behaviour	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MGMT205	Recruitment and Selection	Spring	6
	MGMT206	Managing Human Resources	Autumn/Spring	6
	MGMT220	Organisational Analysis	Spring	6
	MGMT311	Management of Change	Spring	6
	MGMT314	Strategic Management	Autumn/Spring	6
Commerce	MGMT321	Occupational Health & Safety Management	Spring	6
	MGMT322	Training and Development	Autumn	6
International Business				
Creative Arts	The International Business major gives you an awareness and understanding of business in other cultures and regions. It prepares you to respond to the intricacies of international business (including the impact of differing cultures and languages, issues posed by differing markets, and differing government regulations) within this rapidly growing environment.			
	You will gain an understanding of leadership, strategy, cultural diversity, communications and decision-making as they relate to contemporary international business issues, including financial management, employment relations, industry and trade in South-East Asia, and international marketing and management.			
	As the world is becoming 'smaller' with regards to advances in technology, employers are seeking graduates with international business skills. It offers a career in any trans-national corporation or large NGOs (non-government organisations) in Australia and overseas across most industries.			
Education	Subjects required for major study			
	Code	Subjects	Session	Credit Points
Engineering	ECON216	International Trade Theory and Policy	Spring	6
	ECON251	Industry and Trade in East Asia	Spring	6
	FIN241	International Financial Management	Autumn	6
	MGMT301	Managing Across Cultures	Autumn	6
	MGMT314	Strategic Management	Autumn/Spring	6
	MGMT341	International and Comparative Human Resource Management	Spring	6
	MARK343	International Marketing	Autumn	6
Health & Behavioural Sciences	MGMT389	International Business Management	Autumn	6
	Supply Chain Management			
Informatics	Supply Chain Management (SCM) is a critical area of competitive advantage for organisations. SCM involves managing the flow of products and services, financial and information from the suppliers through value adding intermediaries to the customer's customer. It includes managing technical processes both within the firm between functions such as procurement, manufacturing and marketing, and between organisations such as manufacturers, distributors, wholesalers and retailers. Therefore, an understanding of people and relationships are essential skills in managing these relationships.			
	The Supply Chain Management major is designed to enable students to gain an overall understanding of supply chain structure and related interfaces. It provides the opportunity for students to specialize in a number of areas such as logistics, operations, systems thinking, quality and supply chain strategies. Since all management and marketing subjects interrelate to supply chain management this major provides a suitable linkage with marketing and management degrees as either a useful double major or attractive minor.			
Law	Subjects required for major study			
	Code	Subjects	Session	Credit Points
Science	MGMT200	Management and Electronic Business	Autumn	6
	MGMT256	Systems Thinking & Simulation	Spring	6
	MGMT257	Principles of Supply Chain Management	Autumn	6
	MGMT309	Supply Chain Strategies	Spring	6
	MGMT314	Strategic Management	Autumn/Spring	6
	MGMT316	Operations Management	Spring	6
	MGMT328	Logistics Management	Autumn	6
MGMT350	Quality Management	Spring	6	

Management

Management is the art and science of planning, coordinating and leading group efforts. It is the mobilising of human and material resources to achieve organisational goals. Managerial skills include the ability to make sound judgements on all issues that arise at work and to achieve objectives through organisational skills.

The management major combines many subject areas to develop theoretical and practical understanding of the complexities of management. This major develops skills in decision-making, conflict resolution, administration and communication.

Subjects required for major study

Code	Subjects	Session	Credit Points
MGMT102	Business Communications	Spring	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT206	Managing Human Resources	Autumn/Spring	6
MGMT220	Organisational Analysis	Spring	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
MGMT316	Operations Management	Spring	6
MGMT350	Quality Management	Spring	6

Marketing

A marketing major provides the skills to generate products and services for which there is a defined customer need and to position the product or service in the market with effective promotion, pricing and distribution strategies.

The Marketing major is geared toward problem-solving and management decision-making. Emphasis is given to how to analyse, plan, organise, motivate and control the marketing process. Communication skills and creative thinking are essential to successful marketing.

This major has a variety of subjects covering a range of topics in marketing including consumer behaviour, services marketing, marketing research and international marketing. There is opportunity to join several business-related student groups on campus such as the Marketing Society.

Subjects required for major study

Code	Subjects	Session	Credit Points
MARK201	Applied Marketing Research A	Autumn	6
MARK202	Applied Marketing Research B	Spring	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK301	Internet Applications for Marketing	Spring	6
MARK333	Marketing Communications	Autumn	6
MARK343	International Marketing	Autumn	6
MARK344	Marketing Strategy	Spring	6

Minor Study Areas

Accountancy

24 credit points selected from 200- and 300- level ACCY subjects.

Business Information Systems*

Code	Subjects	Session	Credit Points
BUSS111	Introductory Programming for Information Systems Plus for the strand in Analysis and Design	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS218	Systems Design and Architecture	Spring	6
BUSS316	Information Systems Prototyping	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	OR for the strand in Data Management			
	BUSS212	Database Management Systems	Spring	6
	BUSS308	Information Systems Management	Spring	6
	BUSS311	Advanced Database Management Systems	Autumn	6
Commerce	OR for the strand in Systems Development			
	BUSS214	Information Systems Development I	Autumn	6
	BUSS215	Information Systems Development II	Spring	6
	BUSS317	Information Systems Development & Integration	Spring	6
* The Information Systems discipline operates within the Faculty of Informatics. 2007 is the final intake under the administration of the Faculty of Commerce.				
Business Law				
Creative Arts	Code	Subjects	Session	Credit Points
	LAW100	Law in Society	Autumn	6
	LAW210	Contract Law	Spring	6
	Plus 12 credit points selected from:			
Education	LAW302	Law of Business Organisations	Autumn	6
	LAW315	Taxation Law	Spring	6
	LAW316	Occupational Health and Safety Law	Autumn	6
	LAW317	E-Commerce Law	Spring	6
Engineering	LAW321	Banking Law	Spring	6
	LAW330	Law of Employment	Autumn	6
	LAW331	Intellectual Property Law	Autumn	6
	LAW332	Labour Relations Law	Spring	6
Health & Behavioural Sciences	LAW335	Anti-Discrimination Law	Spring	6
	LAW348	Media Law	Spring	6
	LAW352	Advanced Taxation Law	Autumn	6
	LAW360	Foreign Investment Law in the People's Republic of China	n/o 2007	6
Economics				
Informatics	Code	Subjects	Session	Credit Points
	ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
	Or			
	ECON215	Microeconomic Theory and Policy	Autumn/Spring	6
Law	Plus 18 credit points, 12cp of which must be from 300-level Economics subjects and the other 6cp from one 200- or 300-level Economics subject.			
	Electronic Commerce			
	24 credit points selected from:			
	Code	Subjects	Session	Credit Points
Science	ECON319	Electronic Commerce and Economics of Business	Spring	6
	MARK301	Internet Applications for Marketing	Spring	6
	MGMT200	Management and Electronic Business	Autumn	6
	MGMT300	Innovation and E-commerce	Spring	6
Finance				
	Code	Subject	Session	Credit Points
	FIN221	Introductory Business Finance	Autumn/Spring	6
	Plus 18 credit points selected from 200- & 300- level FIN subjects			

Human Resource Management

24 credit points selected from:

Code	Subjects	Session	Credit Points
MGMT201	Organisational Behaviour	Autumn	6
MGMT205	Recruitment and Selection	Spring	6
MGMT206	Managing Human Resources	Autumn/Spring	6
MGMT220	Organisational Analysis	Spring	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
MGMT321	Occupational Health & Safety Management	Spring	6
MGMT322	Training and Development	Autumn	6

International Business

Code	Subjects	Session	Credit Points
ECON216	International Trade Theory and Policy	Spring	6
FIN241	International Financial Management	Autumn	6
MGMT341	International and Comparative Human Resource Management	Spring	6
Or			
MARK343	International Marketing	Autumn	6
Plus			
MGMT389	International Business Management	Autumn	6

Supply Chain Management

Code	Subjects	Session	Credit Points
MGMT256	Systems Thinking & Simulation	Spring	6
MGMT257	Principles of Supply Chain Management	Autumn	6
MGMT309	Supply Chain Strategies	Spring	6
MGMT328	Logistics Management	Autumn	6

Management

Code	Subjects	Session	Credit Points
MGMT102	Business Communications	Spring	6

Plus 18 credit points selected from 200- and 300- level MGMT subjects

Marketing

24 credit points from 200- and 300- level MARK subjects.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Dean's Scholars – Bachelor of Commerce

Arts	Testamur Title of Degree:	Dean's Scholars – Bachelor of Commerce
	Abbreviation:	BCOMDS
	Home Faculty:	Commerce
	Duration:	3 years or part-time equivalent
Commerce	Total Credit Points:	144
	Delivery Mode:	Day/evening
	Starting Session(s):	Autumn/Spring
	Location:	Wollongong, Shoalhaven, Batemans Bay, Bega, Moss Vale
	UOW Course Code:	Wollongong/ 710A/ 753610 Shoalhaven/ SH710A/ 75361 Bateman's Bay/ BB710A/ 75312 Bega/ BE710A/ 753613 Moss Vale/ MV710A/ 753614
Creative Arts	CRICOS Code:	027464A

Overview

This degree provides an enriched educational experience for high achieving students that will encourage them to continue their studies through to the completion of honours and research degrees. This course is available to a limited number of candidates. Dean's Scholars receive one to one academic mentoring and have special opportunities to attend workshops and seminars. The degree includes the awarding of a book allowance, individualised mentoring and access to work experience relevant to their chosen careers.

Entry Requirements

Entry will be by application form and interview for candidates with a minimum UAI of 93 or equivalent. Current Commerce students can apply for a course transfer to this program after completion of a minimum of 48 credit points at the University of Wollongong.

Course Requirements

- To qualify for award of the degree of Deans Scholars Bachelor of Commerce a candidate shall accrue an aggregate of at least 144 credit points, including a major study, by satisfactory completion of subjects listed in the General Schedule.
- Students must complete and pass all core subjects plus one of the approved BCom degree majors, double majors or a major and a minor and elective subjects.
- Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
- Candidates for this degree will be required to maintain a Weighted Average Mark (WAM) of at least 75 each year to continue in the program.
- Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject for the selected major area does not satisfy degree requirements. A student wishing to graduate with a double major must obtain clear passes in both majors at 300-level to satisfy requirements.
- Each major in the BCom requires 48 credit points and each minor requires 24 credit points as specified in the relevant schedules. The following rules apply:
 - Students must complete at least one major but may complete two if they wish. A single subject may count towards two different majors. However, such double counting can apply to only one, 6 credit point subject. Thus completing a second major will require completion of an additional 42 to 48 specified credit points. Where two or more subjects are common to two majors, the relevant Head of School will designate a replacement subject(s).
 - Students may complete one or two of the designated minors but the completion of a minor is not a degree requirement. A minor cannot be completed in the same discipline as the major, for example an Accountancy Major with an Accountancy Minor. A single subject may not count towards a major and minor or towards two minors; double counting is not permitted when completing a minor. Thus completing each minor will require an additional 24 specified credit points. Where one (or more) subject(s) is common to a major and a minor or to two different minors, the relevant Head of School will designate a replacement subject(s).

Course Program

Dean's Scholars will complete all requirements as listed for the Bachelor of Commerce degree and may be permitted to take accelerated programs after their first session.

Other Information

Additional information can be obtained by contacting commerce@uow.edu.au

Bachelor of Commerce (Honours)

Testamur Title of Degree:	Bachelor of Commerce (Honours)
Abbreviation:	BCom (Honours)
Home Faculty:	Commerce
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	711
CRICOS Code:	001710F

Overview

An Honours degree is awarded for one additional year of study following the successful completion of a three-year degree with superior performance throughout the degree. To qualify for the award of Bachelor of Commerce (Honours) a candidate must satisfy Rules 103 (5), (6), (7), (8) & 125 of the Bachelor Degree Rules. The Head/s of the relevant discipline and the Head of School must approve admission to this degree.

Bachelor of Commerce (Honours) is available in the following areas:

Accountancy

Economics

Finance

Human Resource Management

International Business

Management

Marketing

Supply Chain Management

(Double majors are also permitted)

Code	Subject	Credit Points
COMM401	Honours Coursework – coursework component for single major	24
COMM406	Honours Coursework – part time	12
COMM402	Honours Research – research component for single major	24
COMM407	Honours Research – part time	12
COMM403	Joint Honours Coursework – component for a double major	24
COMM408	Joint Honours Coursework – part Time	12
COMM404	Joint Honours Research – research component for double major	24
COMM409	Joint Honours Research – part time	12
COMM405	Joint Honours– Commerce component of a double major when the second major is in another Faculty. Appropriate for double degrees	24
COMM410	Joint Honours – part Time	12

Bachelor of Mathematics and Finance, Bachelor of Mathematics and Economics

Refer to the Faculty of Informatics

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Double Degrees with Bachelor of Commerce

Students may combine their Commerce studies with studies in a number of other Faculties and qualify for the award of two degrees. Double degrees aim to broaden a student's knowledge and skill base and improve career options in competitive, increasingly interactive fields. Students must seek advice and approval from both Faculties before enrolment. For further information refer to the Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html.

Students must seek advice and approval from both Faculties before enrolment.

Course Requirements

Candidates must satisfy the entry requirements of both the degree programs. Double degrees, where both degrees are normally of three years duration will be a minimum of 216 credit points and take a minimum of four years to complete. Double degrees, where one of the degrees is normally of four years duration will be a minimum of 264 credit points and take a minimum of five years to complete. Students may be given exemptions where equivalences exist between subjects.

For all double degrees, candidates are required to complete subjects from the Commerce Schedule, including core subjects and subjects to satisfy the requirements of one of the Commerce majors or a major/major, or major/minor combination. In addition to the Commerce requirements, candidates will need to complete one of the following:

Bachelor of Arts – Bachelor of Commerce:

Students must:

1. complete at least 72 credit points, including a major study, for subjects listed in the Arts schedule, and including at least 36 credit points for subjects offered by member Units of the Faculty of Arts;
2. not more than 96 credit points for 100-level subjects may be undertaken for both degrees;
3. the Arts major study and the Commerce major are to be chosen from two different disciplines.

Bachelor of Communication and Media Studies – Bachelor of Commerce

Students must:

1. complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree;
2. complete subjects from the Commerce Schedule, including core subjects, and subjects to satisfy the requirements of one of the Commerce majors.
3. complete not more than 90 credit points at 100-level;
4. where necessary, undertake elective subjects from the Course Structures of the Bachelor of Commerce, the Bachelor of Communication and Media Studies, or the General Schedule to ensure that at least 216 credit points have been completed.

Note: Students undertaking this double degree program may not complete both the Marketing major in the Bachelor of Commerce and the Advertising and Marketing major in the Bachelor of Communication and Media Studies.

Bachelor of Creative Arts – Bachelor of Commerce:

Students must:

1. complete a major study for the Bachelor of Creative Arts comprising 108 credit points of compulsory subjects as listed in the Creative Arts Schedule;
2. undertake, where necessary, elective subjects to ensure a total of 216 credit points have been completed.

Bachelor of Engineering – Bachelor of Commerce:

Students must complete a minimum of 264 credit points as follows:

1. a total of at least 174 credit points of engineering subjects made up of the Engineering core or compulsory subjects and one of the engineering majors. The minimum of 174 credit points will be exceeded by some engineering program requirements;
2. where required, at least 12 weeks of approved professional engineering experience during the course. Exemptions may be given to part-time candidates who are in approved full-time engineering employment.

Bachelor of Commerce - Bachelor of Laws:

Students must complete, satisfactorily and independently, each of (1), (2) and (3) as follows:

1. all compulsory Law subjects;

2. elective subjects to the value of 56 credit points from the LLB Schedule; to be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
3. subjects selected from the General Schedule, including the satisfactory completion of:
 - a. compulsory subjects;
 - b. an approved Commerce major except for a Business Law major; and
 - c. subjects with a value of at least 102 credit points, consisting of (a) and (b) and excluding subjects listed in (1) and (2), except, where the subjects in (a) and (b) have the prefix LAW, the equivalent LLB subjects must be substituted.

Students wishing to undertake the Commerce major in Financial Planning should note that it may take more than 5 years to complete the degree. Students are advised to contact the Sub Dean of Commerce prior to deciding to undertake the major in Financial Planning.

Bachelor of Science (Faculty of Science) – Bachelor of Commerce:

Students must complete 90 credit points of subjects from the Science Schedule, including a Science major study. Any extra credit points required to achieve a double degree total of 216 credit points, additional to the Commerce and Science Requirements specified above, may be selected from the Commerce, Science or General Schedule.

Bachelor of Science (Faculty of Health and Behavioural Sciences) – Bachelor of Commerce:

Students will be required to complete subjects from the Health and Behavioural Sciences Schedule approved by the Faculty of Health and Behavioural Sciences. Any additional subjects needed to complete a minimum of 216 credit points should be selected from the Health and Behavioural Sciences Schedule, the Commerce Schedule or the Science Schedule.

Bachelor of Psychology – Bachelor of Commerce:

Students must complete a total of 264 credit points. This double degree fulfils the requirements needed to become a registered psychologist.

For the Bachelor of Psychology, students will be required to complete:

1. the 150 credit points of psychology subject requirements for the Bachelor of Psychology.
2. Any additional subjects needed to complete the required 264 credit points should be selected from either the Health and Behavioural Sciences Schedule or the Commerce Schedule.

Bachelor of Journalism – Bachelor of Commerce

Students must:

1. Complete a major study for the Bachelor of Journalism comprising 108 credit points of compulsory subjects as listed in the Journalism Schedule
2. Complete a major study for the Bachelor of Commerce comprising the compulsory core subjects and an approved Commerce major to a total value of at least 102 credit
3. Undertake where necessary elective subjects to ensure a total of 216 credit points have been completed

Bachelor of Medical Science – Bachelor of Commerce

Students must:

1. Complete a minimum of 118 credit points of Medical Science subjects as listed in the Medical Science Schedule
2. Complete a major study for the Bachelor of Commerce comprising the compulsory core subjects and an approved Commerce major to the value of at least 96 credit points
3. Undertake where necessary elective subjects to ensure a total of 216 credit points have been completed.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

SUBJECT DESCRIPTIONS

ACCY100 Accounting IA

Autumn	Loftus	On Campus
Spring	Wollongong	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Wollongong	On Campus
Autumn	Moss Vale	On Campus
Autumn	Bega	On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is an introduction to the processes of accounting and financial management and is concerned with money, records of money, calculations of income and wealth; financial decision making; the information that can be provided by an accounting system as a basis for decision making and the techniques of processing such information.

ACCY102 Accounting IB

Spring	Loftus	On Campus
Spring	Wollongong	On Campus
Spring	Batemans Bay	On Campus
Spring	Bega	On Campus
Spring	Shoalhaven	On Campus
Spring	Moss Vale	On Campus

Credit Points: 6

Pre-requisites: ACCY100 Accounting IA

Co-requisites: None

Subject Description: This subject builds on the understanding of accounting developed in Accounting IA. It examines financial measures of business activities and the systems that enable those measures to be recorded and then reported and communicated to the various stakeholders of entities such as owners (including partners and shareholders), providers of credit (lenders and creditors), management as well as other interested parties.

ACCY200 Financial Accounting IIA

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Moss Vale	On Campus
Spring	Wollongong	On Campus

Credit Points: 6

Pre-requisites: ACCY101, ACCY190, or ACCY100 and ACCY102

Co-requisites: None

Exclusions: Not To Count with ACCY202 and ACCY292

Subject Description: This subject is an introduction to accounting theory and critique, and the preparation of accounting statements to comply with accounting and statutory regulation. The subject also covers reporting requirements for economic groups consisting of multiple legal entities.

ACCY201 Financial Accounting IIB

Spring	Wollongong	On Campus
Spring	Moss Vale	On Campus
Spring	Batemans Bay	On Campus
Spring	Bega	On Campus
Spring	Shoalhaven	On Campus

Credit Points: 6

Pre-requisites: ACCY202 or ACCY200

Co-requisites: None

Subject Description: This subject contains three distinct but inter-related strands to explore accounting standards, their application to companies and groups of companies in order to produce external financial reports. First, there is a technical strand of knowledge and skills used in applying accounting standards to financial reports. Secondly, there is a contextual strand, which highlights the environment in which financial reporting takes place. Thirdly, there is a theoretical strand, where deeper issues relating to accounting practice will be explored.

ACCY202 Financial Accounting IIA

Not on offer in 2007

Credit Points: 6

Pre-requisites: ACCY101, ACCY190, or ACCY100 and ACCY102

Co-requisites: None

Exclusions: ACCY292

Subject Description: An introduction to accounting theory and critique, and the preparation of accounting statements to comply with accounting and statutory regulation. This subject also covers reporting requirements for economic groups consisting of multiple legal entities.

ACCY211 Management Accounting II

Autumn	Loftus	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Wollongong	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6

Pre-requisites: ACCY101, ACCY190 or ACCY100 and ACCY102

Co-requisites: None

Exclusions: ACCY212

Subject Description: This subject deals with the design, production and use of accounting and other quantitative information in the planning and control of organisations, including the management of the production function, decentralised organisations, derivation of cost relationships and statistical control of costs.

ACCY212 Accounting For Marketing Decisions

Not on offer in 2007

Credit Points: 6

Pre-requisites: ACCY101, ACCY190 or ACCY100

Co-requisites: None

Exclusions: ACCY211

Subject Description: This subject explores management accounting issues from the marketing decision perspective.

ACCY228 Tax Planning

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 6

Pre-requisites: FIN251

Co-requisites: None

Subject Description: This subject provides an overview of the procedures and theory of planning for the optimum level of taxation for an individual at different stages in life and/or a business at different stages of development. Optimal tax planning changes are considered ranging from the intense early years where income is rising and investments are made, through to retirement where income is minimal and investments start to be realised.

ACCY231 Information Systems in Accounting

Spring	Wollongong	On Campus
Spring	Moss Vale	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Shoalhaven	On Campus

Credit Points: 6

Pre-requisites: ACCY101, ACCY190, or ACCY100 and ACCY102

Co-requisites: None

Subject Description: This subject introduces management information systems, including data collection and processing, internal control and internal reporting. System design and computer applications are also covered.

ACCY302 Financial Accounting III

Autumn	Moss Vale	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Wollongong	On Campus

Credit Points: 12

Pre-requisites: ACCY201

Co-requisites: None

Subject Description: This subject examines the advanced aspects of financial accounting and external reporting with particular reference to developments in accounting theory and professional standards, including the critical evaluation and comparison of various financial accounting theories.

ACCY303 Selected Issues in Accounting A

Not on offer in 2007

Credit Points: 6

Pre-requisites: ACCY201 or ACCY202 and ACCY211

Co-requisites: None

Subject Description: This subject covers selected issues in external reporting, including issues in international accounting and comparative accounting standards.

ACCY312 Management Accounting III

Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus
Spring	Wollongong	On Campus

Credit Points: 6

Pre-requisites: ACCY211

Co-requisites: None

Subject Description: This subject provides an advanced treatment of management accounting theory and its

relationship to decision theory, including model building and use, cost prediction, pricing decisions, and the behavioural dimensions of management accounting.

ACCY313 Selected Issues in Accounting B

Not on offer in 2007

Credit Points: 6

Pre-requisites: ACCY201 or ACCY202 and ACCY211

Co-requisites: None

Subject Description: This subject covers selected issues in management accounting, including international management accounting.

ACCY328 International Taxation

Not on offer in 2007

Credit Points: 6

Pre-requisites: ACCY201

Co-requisites: None

Subject Description: This subject covers cross border transactions with respect to the taxes the entity may incur as they trade and how these have an impact on the pricing of products. International taxation as it applies to the individual and a company are explored as well as its impact on their income and other trading activities. This subject also takes a comparative perspective of a number of issues confronting both companies and individuals who transact across national borders. Comparisons of taxation between countries such as Australia, UAE, UK and the USA will be examined.

ACCY332 Advanced Information Systems in Accounting

Not on offer in 2007

Credit Points: 6

Pre-requisites: ACCY231

Co-requisites: None

Subject Description: This subject covers the advanced aspects of communication and information theory, system evaluation, design, implementation and management, accounting and associated computer applications.

ACCY335 Advanced Information Systems in Accounting II

Not on offer in 2007

Credit Points: 6

Pre-requisites: ACCY231 or BUSS211 and BUSS212

Co-requisites: None

Subject Description: To maintain competitiveness in the global electronic market-space organizations need to ensure that their information system and business strategies are aligned. This subject provides future business managers with the necessary skills to effectively communicate with Information Technology specialists. These skills are developed through the examination of the analysis and design techniques of Entity Relationship (ER) and Resource Event Agent (REA) modeling, in conjunction with an overview of Enterprise Resource Planning Systems (ERP) and Electronic Commerce (e-commerce) implementation issues.

ACCY336 Decision Support Systems

Not on offer in 2007

Credit Points: 6

Pre-requisites: ACCY231

Co-requisites: None

Subject Description: This subject deals with the

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	nature of, and concepts underlying, decision support systems. Systems examined include decision support systems for strategic and tactical planning (including corporate planning) as well as decision support systems for specific areas – selected from: marketing, finance, merchandising, inventory control, production control.		
Commerce	ACCY342 Auditing and Assurance Services Autumn Wollongong On Campus Autumn Bega On Campus Autumn Shoalhaven On Campus Autumn Moss Vale On Campus Autumn Batemans Bay On Campus Credit Points: 6 Pre-requisites: ACCY201 Co-requisites: None Subject Description: This subject examines the contemporary risk and assurance approach to auditing, the collection and evaluation of audit evidence and the audit reporting process. The subject also develops an understanding of the legal environment in which the auditor works and focuses on the requirements of financial statement audit under the Corporations Law. In addition to this, the program introduces the use of computer assisted audit techniques and considers issues related to computer information systems audit.		
Creative Arts			
Education			
Engineering	ACCY343 Forensic Examination and Advanced Assurance Services Spring Wollongong On Campus Credit Points: 6 Pre-requisites: ACCY201, FIN221 and LAW210 Co-requisites: ACCY342 Subject Description: This subject provides an introduction to forensic examination and advanced assurance services for commercial and not-for-profit entities. The subject content will deal with the nature and extent of fraud in Australia, detection of fraud, error or organisational weakness through an examination of financial and non-financial data, as well as introductory laws of evidence and expert witness report preparation. Students will be introduced to the nature of forensics and its role in the regulatory framework as well as within the legal and ethical framework of corporate governance.		
Health & Behavioural Sciences			
Informatics	ACCY368 Insolvencies Spring Wollongong On Campus Credit Points: 6 Pre-requisites: ACCY200 or ACCY202 Co-requisites: None Subject Description: This subject examines the accounting and legal aspects of corporate and non-corporate insolvencies including liquidations & receiverships, alteration of capital, reconstruction, amalgamation and takeovers, and the use of insolvency procedures as a management strategy.		
Law			
Science	ACCY372 Topics in Accounting History <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: ACCY201 or ACCY202 Co-requisites: None Subject Description: This subject deals with topics in the history and development of accounting thought.		

ACCY380 Accounting for Information Technology

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: IACT301, ITAC301

Co-requisites: None

Exclusions: ACCY901, ACCY101, ACCY190 or ACCY100 and ACCY102

Subject Description: This subject is an introduction to accounting with special emphasis on the design, interpretation and utilisation of the major types of reports and analyses prepared by accountants for the decision making process.

ACCY402 Applied Financial Accounting

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ITAC301

Co-requisites: None

Subject Description: This subject examines the practical aspects of financial accounting including issues in external reporting, accounting for groups of companies and the taxation of companies. It also includes an analysis of reporting theory as it relates to legal and economic factors and professional ethics.

ACCY403 Theoretical Foundations of Accounting

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The subject critically analyses the nature of theory, research and theory formation. It includes a study of the methods used in theory formation and attempts to formulate theories of accounting.

ACCY404 Financial Accounting

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ITAC301

Co-requisites: None

Subject Description: This subject covers an in-depth study of the basis of external financial reporting, including asset valuation and periodic profit measurement. The subject also includes a study of the elements of financial accounting and their communication in accounting reports.

ACCY405 International Accounting

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ITAC301

Co-requisites: None

Subject Description: This subject examines differences in accounting thought and standards between countries. Topics include the influence of the national outlook and policies and of economic infrastructure on accounting practice, uniform systems of accounting, corporate growth and its impact on accounting and auditing. This subject also provides a comparative study of auditing and reporting standards, and international

Arts	principles of auditing applied to the audit of computer-based accounting systems and the use of computers as an auditing tool. Particular emphasis on the positive aspects of auditing and internal control, including their contribution towards improvements in: (a) management functions such as planning; and (b) the quality (both real and perceived) of information flows within an entity and between it and external parties are also covered.
Commerce	ACCY444 Issues in Auditing <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject provides an in-depth examination of contemporary topics in auditing with emphasis on controversial and theoretical issues, including social and ethical issues, the role of quantitative techniques in the audit function, the continuous auditing concept, uncertainty reporting, audit performance evaluation, as well as the extension of attest function and public sector auditing.
Creative Arts	
Education	ACCY461 Professional Practice Accounting <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject is concerned with statements of Accounting Standards, statements of Accounting Practice and the impact of corporation law on the practice of accountancy.
Engineering	ACCY462 Professional Practice - Auditing and Risk Assurance <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject is concerned with statements of Auditing Standards, statements of Auditing Practice, EDP Systems and controls.
Health & Behavioural Sciences	
Informatics	ACCY463 Professional Practice - Taxation <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject deals with the Australian Income Tax Assessment Act 1936 as amended with regulations, rating acts and international agreements.
Law	ACCY468 Insolvencies Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject deals with accounting and legal aspects of corporate and non-corporate insolvencies including bankruptcies, liquidations, receivership, alteration of capital, reconstruction, amalgamation and takeovers.
Science	ACCY473 History of Accounting Thought <i>Not on offer in 2007</i> Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject covers an examination of the environmental factors and processes by which accounting thought, practices and institutions originated and developed in the ancient, medieval and modern eras. Topic areas include ancient accounts, special-purpose account-keeping in the Middle Ages, philosophy, influence and constraints of the double-entry system, development of basic concepts of continuity, accrual accounting and limited liability. In addition, the Industrial Revolution and the changing corporate environment on accounting development and legislation and institutional influences on accounting are examined.

ACCY474 Accounting Regulation

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject presents an in-depth study of the regulation of accounting practice and procedures, the accounting profession and measurement and disclosure in external financial reporting. This could include an examination of the consequences of regulation, alternative institutional arrangement for setting standards, the impact of accounting theory on standard setting, and a historical review of accounting regulation.

ACCY483 Studies in Government Accounting

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject covers a detailed examination of selected areas in federal, state, regional or local government accounting.

ACCY485 Special Topic in Accounting-A

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is a special topic to be selected from any area of financial accounting, management accounting, business finance, information systems or government accounting. The selection would be made by the Head of the Discipline, taking into account the expertise of academic staff, including visiting staff, and the interest of students.

ACCY486 Special Topic in Accounting-B

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is a special topic to be selected from any area of financial accounting, management accounting, business finance, information systems or government accounting. The selection would be made by the Head of the Discipline, taking into account the expertise of academic staff, including visiting staff, and the interest of students.

ACCY493 Research Essay*Not on offer in 2007***Credit Points:** 12**Pre-requisites:** ITAC301**Co-requisites:** None**Subject Description:** This subject is an individual program determined in consultation with the Head of Discipline.**ACCY495 Research Essay***Not on offer in 2007***Credit Points:** 6**Pre-requisites:** None**Co-requisites:** None**Subject Description:** This subject is an individual program determined in consultation with the Head of Discipline.**BUSS110 Introduction to Business Information Systems***Not on offer in 2007***Credit Points:** 6**Pre-requisites:** None**Co-requisites:** Not to count with CSCI101.

Exclusions: Not to count with CSCI101

Subject Description: This subject examines the roles of information systems in a modern organisation. Topics covered include: information systems and their role in modern organisations; functions and purposes of various information systems and their components; system design and development process; information systems administration and management; social implications of information systems, hands-on experience in the use of productivity software. The practical component includes using the internet, word processing, spreadsheets and database systems.**BUSS111 Introductory Programming for Information Systems**

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** Not to count with CSCI111 or CSCI114**Subject Description:** The broad aim of this subject is to develop in students an understanding of the fundamental principles of programming as well as to develop skills in the design and implementation of well structured algorithms to a range of classical, business computing problems.**BUSS112 Information in Organisations***Not on offer in 2007***Credit Points:** 6**Pre-requisites:** None**Co-requisites:** None**Subject Description:** This subject introduces students to information utilisation in the organisation. It examines key business processes, including the major operational and management functions performed, controls required to monitor key elements of business processes and how these processes can assist in achieving organisational objectives. It also examines interconnections among an organisation's management, business processes, information systems and information technology. It introduces students to social theories and analysis and modelling techniques from business and

information systems disciplines. The practical component includes the use and application of the theories and techniques to show the interdependencies between the components of an organisation and its environment.

BUSS201 User-Centred Information Systems Programming

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** BUSS111 or CSCI111 or CSCI114**Co-requisites:** None**Subject Description:** This subject aims to provide a concise and modern treatment of introductory database topics that are useful for information systems professionals. The goal of this subject is to learn the fundamental database concepts including conceptual data modelling, the relational data model and relational algebra and develop skills in the design and manipulation of relational databases using Structured Query Language (SQL). This subject will also briefly introduce advanced database concepts and emerging database technologies.**BUSS211 Requirements Determination and Systems Analysis**

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** 6cp 100 level BUSS or CSCI**Co-requisites:** None**Subject Description:** This subject aims to introduce the student to the techniques and technologies of structured systems analysis. It examines the complementary roles of systems analysts, clients and users in life cycle development methods. Data flow analysis and process descriptions are introduced and the relation to object orientation examined. The student will make use of a Computer Aided Software Engineering (CASE) tool to document solutions to typical problems.**BUSS212 Database Management Systems**

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** 6 credit points of BUSS100-level or CSCI100-level subjects**Co-requisites:** None**Subject Description:** This subject aims to provide a concise and modern treatment of introductory database topics that are useful for information systems professionals. The goal of this subject is to learn the fundamental database concepts including conceptual data modelling, the relational data model and relational algebra and develop skills in the design and manipulation of relational databases using Structured Query Language (SQL). The subject will also briefly introduce advanced database concepts and emerging database technologies.**BUSS213 Content Management in Organisations**

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** BUSS111 or CSCI114**Subject Description:** The subject introduces students to a range of theoretical knowledge/ideas and practical skills associated with the planning, implementation, delivery and management of a Web-based content management system. The subject aims to prepare students

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	for involvement in such projects within organisations where the use of content management systems for a wide variety of purposes, such as dynamic on-line catalogues, is steadily increasing. Students will obtain practical experience in using a range of appropriate software, using theoretical ideas to justify choices of representation within a context that involves some design constraints. Students will also gain practical experience in project management in a team-based environment.
Commerce	BUSS214 Information Systems Development 1 Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: BUSS111 or CSCI111 or CSCI114 Co-requisites: None Subject Description: The aims of this subject are to consolidate and extend student's knowledge and skills in structured programming and to introduce them to the concepts and practice of object oriented programming. To achieve this aim the subject will provide students with an opportunity to develop further programming skills and good coding style; develop skills in using the object-oriented concepts of inheritance, encapsulation, construction, access control, overloading and messaging; develop and display competency in the design and implementation of object-oriented programs to solve business problems.
Creative Arts	
Education	
Engineering	BUSS215 Information Systems Development II Spring Wollongong On Campus Credit Points: 6 Pre-requisites: BUSS214 Co-requisites: None Subject Description: This subject aims to reinforce the principles, techniques and methodologies in the design of software systems using the object-oriented approach. The subject will provide the students with the opportunity to: understand and develop skills in advanced programming techniques and software engineering techniques in business applications; develop programs to satisfy business requirements by utilizing appropriate advanced techniques covered in this subject; solve realistic problems found in the workplace using appropriate techniques for development; broaden the use of Graphical User Interface in various business applications; further develop programming skills and good coding style with emphasis on modularisation; further develop skills and competency in the design and implementation of object-oriented software systems.
Health & Behavioural Sciences	
Informatics	
Law	BUSS218 Systems Design and Architecture Spring Wollongong On Campus Credit Points: 6 Pre-requisites: BUSS211 Co-requisites: None Subject Description: This subject extends systems analysis and introduces the student to the techniques and technologies of structured systems design and object oriented systems design in the post-analysis stages of the Systems Development Life Cycle. It examines the complementary roles of systems analysts, designers, clients and users in traditional Systems Development Life Cycle and Object Oriented development methods. Process and Object methods and models are extended to cover systems
Science	

design and implementation. Program design is placed in the context of systems design. The student will make use of a Computer Aided Software Engineering (CASE) tool to document design solutions to typical problems.

BUSS227 System Usability

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: BUSS111 or CSCI114

Exclusions: Not to be counted with BUSS927

Human Computer Interaction

Subject Description: This subject examines usability theory methods and practices in the context of practical information systems in organisations. The subject is intended to provide students with an understanding of and experience in usability design and evaluation practice. Topics include Interface Constituents; Basic Interaction including Event Handling, Model-View Controller Architecture, Abstract Devices, Look and Feel, Widgets and Interfaces, Layout, Interactivity in the Context of Interaction, and Interaction Styles; Usability Paradigms and Principles including functional models, task-oriented functional design, task analysis, and evaluation analysis; HCI Interaction Models including social, organisational, informational and ergonomic design, Design Processes; and Usability in Action.

BUSS307 Electronic Commerce

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to be counted with

BUSS907 Fundamentals of e-Business

Subject Description: This subject aims to provide an understanding of the scope of electronically supported commercial activities. The use of electronic commerce to achieve strategic advantage at the organisational, local and global arena will also be examined, with reviews on the broader social implications of electronic commerce.

BUSS308 Information Systems Management

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 6 cp at 300 level BUSS or CSCI subjects

Co-requisites: None

Subject Description: Students will be introduced to the processes involved in managing information systems in the contemporary business environment. Students will gain an appreciation of the issues surrounding the strategy and planning of information systems; the strategic, tactical and operational roles of the Chief Information Officer (CIO); the alignment between information systems and business; policy and practice; technology diffusion; operational management; major trends impacting information systems management and how to assess the value of information systems.

BUSS311 Advanced Database Management Systems

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BUSS212

Co-requisites: None

Subject Description: This subject provides an overview

of the relational data model and relational database management systems followed by comprehensive coverage of some of the advanced topics related to data and database administration, CASE tools, post-relational database systems and recent developments in the areas of online analytical processing, data mining and the World Wide Web (WWW). Discussion of these relatively recent and advanced topics is expected to equip the student to meet the challenges in database management and advanced applications development in contemporary organisations. Students will be presented with opportunities to do hands-on work with appropriate commercial tools.

BUSS312 Business Data Communications

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 6cp of 200 level BUSS subjects

Co-requisites: None

Subject Description: This subject examines distributed information systems and data communications technology and their support of organisational objectives, the design of networked computer systems, the selection of appropriate hardware and software platforms and the current and future trends in data communications.

BUSS313 Information Retrieval Systems

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: 6 cp of 300 level

BUSS/CSCI/IACT subjects

Subject Description: This subject examines information retrieval within the context of full text retrieval databases.

Topics include the study of the major models for information retrieval for system evaluation for document search and clustering. The subject is intended to provide students with understanding and practice of the latest technologies for Information Retrieval Systems and understand the relationships between information retrieval and database systems. Topics may include advanced issues in document clustering, information filtering, visualisation and management for the delivery of digital content. Most topics will be viewed in the framework of distributed information systems and the internet.

BUSS315 Knowledge and Information Design

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: 6 cps of 300-level BUSS subjects

Subject Description: This subject provides an introduction to Knowledge and Information Design via an applied library sciences approach to the understanding of information spaces. The appropriate application environments, knowledge acquisition and representation schemes for developing knowledge and information spaces are examined along with their relationship to contemporary Web and content management systems. In addition, managerial issues in design information spaces, and general methodologies for knowledge and information analysis and design, are exercised.

BUSS316 Information Systems Prototyping

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BUSS212 and BUSS111 or CSCI111 or CSCI114

Co-requisites: None

Exclusions: Not to count with BUSS216

Subject Description: This subject provides an understanding of the systems development and modification process. It enables students to evaluate and choose an appropriate systems development methodology. It emphasises the factors for effective communication with users and team members and all those associated with development and maintenance of the system. It introduces and describes evolutionary systems development methodologies, and addresses the issues involved in project planning, documentation, management and monitoring of evolutionary development.

BUSS317 Information Systems Development and Integration

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BUSS214

Co-requisites: None

Subject Description: This subject aims to provide students with the concepts of web development programming; the skills to design and write dynamic web based application using databases and scripting languages; the concepts of data structures and solid foundation in structured programming principles; familiarity with well known Integrated Development Environments; the skills to use HTML/XHTML mark up languages and HTTP protocols for designing web based business programs of moderate complexity.

BUSS318 Information Systems Project

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BUSS212

Co-requisites: None

Subject Description: This subject aims to provide students with: practical experience in the principles and techniques of project management; experience in the design of a real world project involving IS techniques; and practical experience in team work and project management skill development.

BUSS391 Special Topic in Information Systems

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BUSS211 and BUSS212

Co-requisites: 12 cp at BUSS300 level

Subject Description: In this subject students will undertake a study of research methods or other topic of current interest in Information Systems. Its purpose is to give final year BComm(BIS) students an opportunity to explore in depth, a current and advanced topic in Business Information Systems.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	COMM110 Introduction to Business Information Systems			COMM290 Applied Learning <i>Not on offer in 2007</i>		
	Autumn	Wollongong	On Campus	Credit Points: 6		
	Autumn	Shoalhaven	On Campus	Pre-requisites: 48 Credit Points of Commerce		
	Autumn	Bega	On Campus	Subjects and approval by the Head of School		
	Autumn	Batemans Bay	On Campus	Co-requisites: None		
	Autumn	Moss Vale	On Campus	Subject Description: This subject will enable		
Commerce	Autumn	Loftus	On Campus	Commerce students to earn 6 credit points for		
	Spring	Wollongong	On Campus	participation in one of a variety of workplace learning		
	Credit Points: 6			programs offered by the University, or by an outside		
	Pre-requisites: None			organisation/professional association. The program		
	Co-requisites: Not to count with CSCI101.			may be a Team based business skills competition or		
	Exclusions: Not to count with CSCI101			an individual placement which is coordinated via		
Creative Arts	Subject Description: This subject examines the			an external agency or that the student organises		
	roles of information systems in a modern organisation.			themselves. Students must satisfy all requirements of		
	Topics covered include: information systems and			their placement or business skills program, and prepare		
	their role in modern organisations; functions and			reports as specified by the co-ordinating body. It is		
	purposes of various information systems and their			the responsibility of the student to find a workplace		
	components; system design and development process;			learning program and present the proposal to the		
Education	information systems administration and management;			relevant Head of School or delegated staff member for		
	social implications of information systems, hands-			approval. Approval will only be given providing a suitable		
	on experience in the use of productivity software.			supervisor within the relevant School is available.		
	The practical component includes using the internet,					
	word processing, spreadsheets and database systems.					
Engineering	COMM112 Information in Organisations			COMM303 Development of Modern Business		
	<i>Not on offer in 2007</i>			Spring	Shoalhaven	On Campus
	Credit Points: 6			Spring	Batemans Bay	On Campus
	Pre-requisites: None			Spring	Bega	On Campus
	Co-requisites: None			Spring	Moss Vale	On Campus
	Subject Description: This subject introduces			Spring	Wollongong	On Campus
Health & Behavioural Sciences	students to information utilisation in the organisation.			Credit Points: 6		
	It examines key business processes, including the major			Pre-requisites: 72 credit points including		
	operational and management functions performed,			all Commerce core subjects		
	controls required to monitor key elements of business			Co-requisites: None		
	processes and how these processes can assist in			Subject Description: The subject traces the		
	achieving organisational objectives. It also examines			evolution of modern business enterprises, particularly		
Informatics	interconnections among an organisation's management,			in the twentieth century. Emphasis is placed on a		
	business processes, information systems and information			comparison of the dynamics of capitalist corporate		
	technology. It introduces students to social theories and			development in Australia, the United States, Japan		
	analysis and modelling techniques from business and			and the United Kingdom. Major topics include the		
	information systems disciplines. The practical component			effects of external institutional and technological		
	includes the use and application of the theories and			environments on corporate change; changing forms		
Law	techniques to show the interdependencies between the			of firm organisation; the role of corporations in		
	components of an organisation and its environment.			an evolving international economy; developing		
				corporate strategy; inter-organisational relationships;		
				and the role of corporations in modern society.		
Science	COMM121 Quantitative Methods I			COMM327 Business Innovation, Technology, and Policy		
	Spring	Loftus	On Campus	Autumn	Wollongong	On Campus
	Autumn	Wollongong	On Campus	Spring	Wollongong	On Campus
	Spring	Wollongong	On Campus	Credit Points: 6		
	Spring	Shoalhaven	On Campus	Pre-requisites: Any 72 credit points of subjects		
	Spring	Bega	On Campus	Co-requisites: None		
Law	Spring	Batemans Bay	On Campus	Exclusions: Not to count with ECON227 and ECON229		
	Spring	Moss Vale	On Campus	Subject Description: This integrating subject		
	Credit Points: 6			provides conceptual frameworks in which to think		
	Pre-requisites: None			systematically about business innovation, technology		
	Co-requisites: None			and related policy issues. The purpose is to gain a		
	Subject Description: An introduction to quantitative			better understanding of the role of innovation-related		
Science	techniques and their application to business			issues in the context of a creative society such as the		
	economics. Emphasis will be on statistics and topics			mechanics of a creative economy, collateral effects of		
	will include descriptive statistics, probability, sampling,			innovative activities, commercialization of innovations,		
	confidence intervals and hypothesis testing, elementary			the importance of price competition and competition		
	correlation and regression analysis and the use of			through innovation, technological competition, the		
	computer programs for estimation and analysis.			difference between ideas and human capital, the use of		

innovation-based classifications of economic sectors, the importance of innovation policies, etc. The subject incorporates elements from a variety of disciplines, including economics, management, marketing and law.

COMM328 Contemporary issues in Commerce

Not on offer in 2007

Credit Points: 6

Pre-requisites: 72 cp including all Commerce core subjects and approval by the Faculty of Commerce

Co-requisites: None

Subject Description: The aim of this integrating subject is to look at a contemporary issue in the business world from a multi-disciplinary perspective. The specific issue explored may vary from year to year. The subject encourages students who have majored in a variety of majors to analyse an issue of relevance to the modern business environment.

COMM351 Business Ethics and Governance

Not on offer in 2007

Credit Points: 6

Pre-requisites: 72 cp

Co-requisites: None

Subject Description: An examination of the central issues in business ethics, covering topics such as the concept of social responsibility, individual and corporate values, models for making ethical decisions, ethics for the employee, the customer, the environment, the community, the government and the multinational context. Class consists primarily of student-centred discussion and experiential activities. Semester is arranged to take students through a reflective, unlearning process.

COMM399 Independent Study

Not on offer in 2007

Credit Points: 6

Pre-requisites: Students must have completed 48 credit points

Co-requisites: None

Subject Description: This subject will allow students to carry out study in a practical or applied manner into a selected issue in business. This may include, but is not limited to an individual case study, business project, industry or corporate analysis. Students will have the opportunity to look at a contemporary practical issue in a business environment. The specific issues explored will vary from year to year and discipline to discipline. This subject will encourage students to undertake study and analyse on issues of relevance to a business environment. The subject will need to be successfully completed by students undertaking an undergraduate degree offered by the Faculty of Commerce in Dubai. This subject will only be delivered at the Dubai Campus.

COMM401 Honours Coursework

Autumn Wollongong On Campus

Spring Wollongong On Campus

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: Entry to Honours

Co-requisites: None

Subject Description: The subject will enable all students doing honours in a single discipline in the Faculty

of Commerce to enrol in the same subject. The advanced topics the student studies will depend on their discipline. Students enrolled in this subject will also do COMM402.

COMM402 Honours Research

Autumn Wollongong On Campus

Spring Wollongong On Campus

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: Entry to Honours

Co-requisites: None

Subject Description: The subject is appropriate for students doing honours in a single discipline in the Faculty of Commerce to enrol in the same subject. The research topic must be approved by the relevant Head of School. Students enrolled in this subject will also do COMM401.

COMM403 Joint Honours Coursework

Autumn Wollongong On Campus

Spring Wollongong On Campus

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: Entry to Honours

Co-requisites: None

Subject Description: The subject will enable all students doing honours in two disciplines in the Faculty of Commerce to enrol in the same subject. The advanced topics the student studies will depend on their disciplines. Students enrolled in this subject will also do COMM404.

COMM404 Joint Honours Research

Autumn Wollongong On Campus

Spring Wollongong On Campus

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: Entry to Honours

Co-requisites: None

Subject Description: The subject is appropriate for students doing honours in two disciplines in the Faculty of Commerce eg (Finance and Management) to enrol in the same subject. The research topic must be approved by the relevant Head of School. Students enrolled in this subject will also do COMM403.

COMM405 Joint Honours

Autumn Wollongong On Campus

Spring Wollongong On Campus

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: Entry to Honours

Co-requisites: None

Subject Description: The subject is appropriate for students doing honours in two disciplines, one of which is outside the Faculty of Commerce. The advanced topics the student will study will depend on their disciplines. Students enrolled in this subject will also enrol in other honours subjects totalling 24 credit points outside the Faculty of Commerce. The thesis will be on a topic relevant to the two disciplines and represent 50% of the honours year.

COMM406 Honours Coursework Part Time

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: Entry to Honours

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	Co-requisites: None Subject Description: The subject will enable all students doing part time honours in a single discipline in the Faculty of Commerce to enrol in the same subject. The advanced topics the student studies will depend on their discipline. Students enrolled in this subject will also do COMM407 Honours Thesis Part Time.		
Commerce	COMM407 Honours Research Part Time Autumn Wollongong On Campus Spring Wollongong On Campus Annual Wollongong On Campus Credit Points: 12 Pre-requisites: Entry to Honours Co-requisites: None Subject Description: The subject is appropriate for students doing part time honours in a single discipline in the Faculty of Commerce to enrol in the same subject. The research topic must be approved by the relevant Head of School. Students enrolled in this subject will also do COMM406 Honours Coursework Part Time.		
Creative Arts			
Education	COMM408 Joint Honours Coursework Part Time Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Entry to Honours Co-requisites: None Subject Description: The subject will enable all students doing part time honours in two disciplines in the Faculty of Commerce to enrol in the same subject. The advanced topics the student studies will depend on their disciplines. Students enrolled in this subject will also do COMM409 Joint Honours Research Part Time.		
Engineering			
Health & Behavioural Sciences	COMM409 Joint Honours Research Part Time Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Entry to Honours Co-requisites: None Subject Description: The subject is appropriate for students doing part time honours in two disciplines in the Faculty of Commerce eg (Finance and Management) to enrol in the same subject. The research topic must be approved by the relevant Head of School. Students enrolled in this subject will also do COMM408 Joint Honours Coursework Part Time.		
Informatics			
Law	COMM410 Joint Honours Part Time Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: Entry to Honours Co-requisites: None Subject Description: The subject is appropriate for students doing part time honours in two disciplines, one of which is outside the Faculty of Commerce. The advanced topics the student will study will depend on their disciplines. Students enrolled in this subject will also enrol in other honours subjects totalling 24 credit points outside the Faculty of Commerce. The thesis will be on a topic relevant to the two disciplines and represent 50% of the honours year.		
Science			

ECON101 Macroeconomic Essentials for Business Autumn Loftus On Campus Autumn Moss Vale On Campus Spring Wollongong On Campus Autumn Wollongong On Campus Autumn Batemans Bay On Campus Autumn Shoalhaven On Campus Autumn Bega On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject analyses relevant macroeconomic concepts and principles in an integrated macroeconomic environment. Simple macroeconomic models will be developed to characterise the interdependencies of the more important components parts of a macro economy. This will allow students to analyse some real world problems and to start identifying and formulating appropriate macroeconomic policies.		
ECON111 Introductory Microeconomics Spring Loftus On Campus Spring Shoalhaven On Campus Spring Bega On Campus Spring Batemans Bay On Campus Spring Moss Vale On Campus Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: An introduction to microeconomics and its application to contemporary social and economic problems. Elementary economic theory and the necessary institutional framework will be developed.		
ECON205 Macroeconomic Theory and Policy Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: ECON101 Co-requisites: None Subject Description: This subject analyses the major factors which determine economic behaviour in the aggregate and evaluate how alternative macroeconomic policies may improve economic performance. In doing so the course examines the major determinants of aggregate demand equilibrium, namely consumption and investment demands, international factors, money and interest. Monetary and fiscal policies are examined using this analytic structure to determine the effectiveness of these policies for an open economy. Aggregate supply equilibrium is then analysed in terms of wages, prices and employment. The problems of inflation and employment are also considered along with possible wages policies. If time permits, longer term growth explanations of economic behaviour and associated policy prescriptions are briefly reviewed.		
ECON208 Gender, Work and the Family Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None		

Subject Description: This subject analyses the roles women and men play in the workforce and within the family. Topics will include: analysis of factors affecting recent trends in female and male labour force participation; gender differences in occupational patterns and earnings; the economics of discrimination; the role of the family in providing education, health care and other goods and services for its members; and the economic determinants of marriage and fertility.

ECON215 Microeconomic Theory and Policy

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON111

Co-requisites: None

Subject Description: This subject provides the theoretical foundation of modern microeconomic analysis by building upon the basic concepts covered in introductory microeconomics. Topics include the free market system and its operation under market regulation, and the imposition of excise taxes and subsidies. The theory of consumer behaviour is developed and applied to household choice problems, the index number problem, methods of taxation, and intertemporal choice. The theory of production and its costs is discussed, and used to develop models of optimal choice by producers in the long run and short run, including optimal output expansion, optimal input substitution, responses to technological change, and economies and diseconomies of scale. Models of market organization are studied with emphasis on monopoly power, oligopoly (including models of Nash, Cournot, Bertrand, and Stackelberg equilibria) and monopolistic competition. Welfare effects of market behaviour and regulation are analysed. Game theory is introduced and applied to simple problems of strategic choice in duopoly markets. The nature and consequences of asymmetric information are studied (including adverse selection, moral hazard, the principal agent problem, and signalling).

ECON216 International Trade Theory & Policy

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON111

Co-requisites: None

Subject Description: This subject is designed to provide an introduction to international trade theory and international trade policy. It will examine the theory, policies, practices and institutions of relevance to a country's trade with other nations. The following broad questions will be addressed: Why do nations trade with each other? What are the gains and losses from free trade to the nations involved? What determines the pattern of international trade and production? What are the effects of various commercial policies on the nations involved and on the welfare of various groups within those nations? How does the foreign exchange market work and in what ways does it facilitate or impede international trade? What are the possible effects of exchange-rate policies on a country's production, employment and price level? How is a country's trade performance linked to its external debt and economic growth? How can trade affect the local and global environment?

ECON221 Econometrics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON121 or COMM121 or STAT131 or STAT231

Co-requisites: None

Subject Description: This subject is designed so that students learn basic econometric methods and use data to solve real-world problems by estimating economic parameters (such as elasticities, marginal values etc). Students acquire expertise in applying econometric methods, including regression analysis and its extensions, to various types of data. Students also, learn how to use econometrics to test economic theory, analyse economic behaviour and assist in policy formation. The subject is application orientated and practical work is performed using Windows-based statistical software.

ECON222 Quantitative Methods II

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject provides an introduction to mathematical techniques useful in business and economics. The main topics include marginal values, average values, elasticities, constrained and unconstrained optimisation, game theory, and the mathematics of finance. The mathematical techniques will be systematically presented and clearly illustrated in representative business and economic models.

ECON230 Quantitative Analysis For Decision Making

Spring Loftus On Campus

Spring Wollongong On Campus

Spring Shoalhaven On Campus

Spring Batemans Bay Flexible

Spring Bega Flexible

Spring Moss Vale On Campus

Credit Points: 6

Pre-requisites: ECON121 or COMM121 or STAT131 or STAT231

Co-requisites: None

Subject Description: This subject details the role of quantitative analysis in the decision-making process. Problem-solving techniques will be studied with emphasis on their practical application. Topics may include: linear programming; integer programming; goal programming; network analysis; systems simulation; decision theory; and inventory and queuing models.

ECON231 Business Statistics and Forecasting

Not on offer in 2007

Credit Points: 6

Pre-requisites: ECON121 or COMM121 or STAT131 or STAT231

Co-requisites: None

Subject Description: This subject introduces students to the applications of multi-variate statistical analysis to problems in business and economics. These techniques will include multiple regression, discriminant analysis, factor analysis and cluster analysis. The subject also deals

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	with the application of forecasting techniques, including smoothing methods, time series decomposition, and the Box Jenkins approach to problems. The emphasis will be on the use of various relevant computer packages.
Commerce	<p>ECON240 Financial Modelling Spring Wollongong On Campus Credit Points: 6 Pre-requisites: COMM121 or STAT131 or STAT151 or STAT252 or MATH141 Co-requisites: None Exclusions: ECON231 and ECON221 Subject Description: This subject deals with the application of statistical techniques to financial decision-making. Students will use econometric methods and data to solve real-world problems by estimating and interpreting financial and business relationships. The subject covers a brief introduction to the mathematics of finance, regression analysis, hypothesis testing and the assumptions underpinning the classical regression model. It then provides a thorough treatment of model diagnostics, univariate time series modelling and forecasting, as well as applied multivariate cointegration techniques and the estimation of financial market volatility.</p>
Creative Arts	
Education	<p>ECON251 Industry and Trade in East Asia Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject studies the neo-classical, structuralist and culturalists views on industrialisation in Asia using country specific examples. It examines trade and industry policy, investment flows, economic integration and the international monetary system. The causes of Asian growth and meltdown are analysed. The strategies to overcome the main economic problems and the recent developments in the Asia-Pacific region are emphasised.</p>
Engineering	
Health & Behavioural Sciences	<p>ECON301 Monetary Economics Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: ECON101 Co-requisites: None Subject Description: This subject focuses on the monetary aspects of the macro-economy. It comprises two parts. The first focuses on a comparison of the monetary transmission mechanism and policy implications arising from the Classical, Keynesian, Monetarist and New Classical theories. The second section analyses the money supply and its control, the conduct of monetary policy, money in the open economy, inflation, and the Australian financial system.</p>
Informatics	
Law	<p>ECON302 Transition Economics Spring Wollongong On Campus Credit Points: 6 Pre-requisites: ECON101 and ECON111 Co-requisites: None Subject Description: Emphasis will be placed upon transition issues arising from: the formerly centrally planned economies of Europe and Asia as they have moved towards market oriented economies; developed market economies in Europe as existing and prospective members of the European Union move towards a more advanced</p>
Science	

stage of trade, investment, and financial integration; developing market economies in East Asia as they attempt to achieve a higher level of economic development.

ECON303 Economic Development Issues

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Both ECON101 and ECON111 or any 72 credit points of subjects

Co-requisites: None

Subject Description: Nation states have attempted to accelerate the rate and influence the pattern of economic growth and development with mixed results. Consequences of economic development have been enormous. Economic Development issues addressed are: the relationship between economic growth and development; the role of the market and the state; savings, investments and technical change; infrastructure and public goods; as well as the role of agriculture, industrialisation, international trade and economic co-operation, and population and human resource development.

ECON304 The Historical Foundations of the Modern Australian Economy

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 72 credit points of study including ECON101 and ECON111

Co-requisites: None

Subject Description: This subject focuses on the development of the Australian economy over the last century and a half from both a domestic and international comparative perspective. It seeks to enhance our knowledge about, and understanding of, the modern Australian economy and its international standing by reference to a longer term process of development stretching back close to early British settlement. Following an overview of Australian experience, the subject will be presented thematically drawing upon key microeconomic and macroeconomic questions. Principal topics will include: growth trajectories and economic fluctuations; structural change and development; capital markets and financial institutions; population and immigration; human capital and labour supply; living standards and welfare; manufacturing and international business; market power; the development of a corporate economy; economic policy especially tariffs and competition; economic debates; regional engagement in Asia and globalisation. There will be an opportunity to analyse and discuss original historical documents and to write a research essay.

ECON305 Economic Policy

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON205 and ECON215

Co-requisites: None

Exclusions: Not to count with ECON207

Subject Description: This subject introduces students to some of the important macroeconomic and microeconomic policy issues facing governments in Australia and overseas. Government policy makers face questions such as how to best stimulate economic growth, how to best respond to various forms of market failure and how to best promote a competitive national economic environment. This subject introduces students to some of these issues in details and sets out some of

the current economic thinking with regard to these questions. Students will be required to analyse applied research from the economics literature and draw on material from related areas such as political science.

ECON307 International Monetary Economics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON101

Co-requisites: None

Subject Description: This subject is a study of monetary aspects of international economics. It comprises two parts. In the first we examine theoretical approaches to the balance of payment and exchange-rate determination. In the second, the subject analyses selected issues in international monetary economics of topical interest.

ECON308 Labour Economics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON111

Co-requisites: None

Subject Description: This subject studies labour supply, labour demand and wage rate determination in a market-orientated economy. The emphasis is on the development and application of economic theory rather than on an institutional approach. Several areas of application are drawn from the following list and analysed in some detail: the effects of welfare programs on labour-market participation and hours of work, the effects of imposing a minimum wage in both competitive and non-competitive labour markets, the theory of human capital and its use in explaining observed earnings differentials, an explanation for occupational wage differentials, discrimination in the labour market, the rationale for labour unions, the economic impact of labour unions, causes of unemployment. Examples relate mostly to the Australian and US labour markets but some comparisons are drawn with labour markets in other countries.

ECON309 Environmental Economics

Spring Wollongong On Campus

Spring Shoalhaven On Campus

Spring Batemans Bay On Campus

Spring Bega On Campus

Spring Moss Vale On Campus

Spring Loftus On Campus

Credit Points: 6

Pre-requisites: ECON111

Co-requisites: None

Subject Description: This subject will provide a comprehensive analysis of environmental issues using both the traditional theory of economic externalities and the newer analysis of ecologically sustainable development. Both approaches will be used to explain the economic aspects of and evaluate environmental policy in Australia and developing countries.

ECON310 Cost Benefit Analysis

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON215

Co-requisites: None

Subject Description: This subject investigates the theoretical foundations and practical techniques of social cost benefit analysis (CBA). Topics include: the

name and scope of CBA, the welfare foundations of CBA including Pareto optimality and social welfare functions, identification of costs and benefits, methods of valuation of costs and benefits in market and non-market situations, the theory and use of shadow prices, CBA decision criteria, time preference and the social discount rate, and CBA sensitivity methods. The limitations of CBA methods and ethical considerations are discussed. Students will develop and practice appropriate spreadsheet skills that facilitate the economic evaluation of complex projects in situations where benefits and costs occur over extended periods of time.

ECON311 Natural Resource Economics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON111

Co-requisites: None

Subject Description: The main objective of the subject is to develop skills in the economic analysis of natural resource problems. The subject consists of two broad sections, namely: the generalisation of theoretical frameworks for the utilisation of natural resources; and the application of these theoretical frameworks to the management of specific natural resources and to the formulation of appropriate policies. The topics covered include: optimisation frameworks for renewable and non-renewable resources; models for optimal resource use over time; energy resources; mineral resources; water resources; forestry resources; natural environments; and issues concerning pollution.

ECON312 Industrial Economics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON111

Co-requisites: None

Subject Description: This subject provides the theoretical basis for analysis of firm structure, conduct and performance. It particularly focuses on issues related to the implementation of competitive policy from both a national and international perspective.

ECON315 Applied Microeconomics

Not on offer in 2007

Credit Points: 6

Pre-requisites: ECON111

Co-requisites: None

Subject Description: Microeconomics applied to a variety of topics and social problems. The areas of application studied vary from year to year but include such topics as the economics of health care, education, working women, migration, the arts and crime.

ECON316 History of Economic Thought

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON205 and ECON215

Co-requisites: None

Subject Description: This subject provides a review of the evaluation of economic ideas through the development of differing schools of thought in economics. The subject focuses on issues which provide a basis for discussion of the criticism and alternatives suggested by the classical, neoclassical, behavioural, Austrian, modern institutionalists and post Keynesian schools.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	ECON317 Economics of Health Care Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: None Co-requisites: None Subject Description: This subject surveys economic aspects of the Australian health-care system. Topics covered will include the supply and demand for health services, health-care delivery systems, health insurance, program evaluation and medical decision-making. Government policies influencing all aspects of health care will be analysed and evaluated.		
Commerce	ECON318 Economics of Health Care - A Autumn Loftus On Campus Autumn Wollongong On Campus Autumn Shoalhaven On Campus Autumn Bega On Campus Autumn Batemans Bay On Campus Autumn Moss Vale On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject surveys economic aspects of the Australian health-care system. Topics covered will include the supply and demand for health services, health-care delivery systems, health insurance, program evaluation and medical decision-making. Government policies influencing all aspects of health care will be analysed and evaluated.		
Creative Arts			
Education			
Engineering	ECON319 Electronic Commerce and the Economics of Information Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject analyses the impact of electronic commerce on the markets for consumer goods and services and factors of production. Reasons for the dramatic increase in the use of electronic commerce and its effects on consumers, business firms and the wider community will be explored. Special attention will be given to the implications for small and medium-sized firms and the impact of electronic commerce on the globalisation of markets. The subject analyses electronic commerce in the context of the economics of information, technology and transaction costs and investigates the role and value of information in decision making.		
Health & Behavioural Sciences			
Informatics			
Law	ECON320 Economics of Small and Medium Enterprises Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: ECON111 Co-requisites: None Subject Description: The subject analyses the impact of entrepreneurs/small medium-sized enterprises (SMEs) on important areas of the economy such as innovation, employment creation, trade and investment. The formulation of appropriate public policies with respect to SMEs will also be examined. Recent developments in the economic theory of business enterprises, backed up by case studies of individual firms, industries and		
Science			

countries, will form the basis of the subject. Topics covered will represent a blend of the theory and practice of small business and enterprise development, and will include examining the links between firm size and performance, the distinct roles of different sized firms, and the relationship between firm size and innovation.

ECON322 Mathematical Economics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON122 or ECON222

Co-requisites: None

Subject Description: This subject is a study of mathematical aspects of microeconomics and macroeconomics. The topics include consumer demand theory, compensated demand functions, production theory, cost functions, market demand and supply functions, models of market structure and macroeconomics of open economy. Mathematical techniques include linear algebra, optimisation, differential and integral calculus. Particular attention will be given to economic policy analysis using mathematical models.

ECON327 Advanced Econometrics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON221 or ECON231 or MARK239

Co-requisites: None

Subject Description: The subject consists of two parts. The first part focuses on the basic concepts in understanding and modelling the behaviour of time-series data (time-series analysis) in economics or related fields and the major linear time-series models usually used. The second part deals with the foundation and applications for more realistic or policy-oriented situations using the method of many-sector econometric models (1) using these data, and (2) consisting of sets of many regression equations, or (3) consisting of sets of many jointly dependent or simultaneous equations.

ECON331 Financial Economics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON111 and either ECON121 or COMM121 or STAT131 or STAT231

Co-requisites: None

Subject Description: This subject deals with investment in production capacity, portfolio analysis, debt accumulation, insolvency and liquidation. Optimal control methods are used for analysing the efficient trajectories of capital investment and borrowing. Portfolio choice and producers' choices of activity sets are analysed within a mean-variance expected utility maximisation framework incorporating the concepts of risk aversion, costs of risk bearing and diversification.

ECON332 Managerial Economics and Operations Research

Not on offer in 2007

Credit Points: 6

Pre-requisites: ECON121 or COMM121

Co-requisites: None

Subject Description: This subject develops and applies a variety of quantitative techniques to economic and managerial decision-making. It is an extension of ECON 228/230 and covers a wide range of quantitative

analyses such as forecasting techniques, Markov process models, PERT, CPM and specialised network algorithms, risk preference analysis, transportation and assignment models and quadratic and nonlinear programming.

ECON333 Conflict and Co-Operation

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON122 or ECON222

Co-requisites: None

Subject Description: The subject will introduce students to the study of game theory as a tool for analysing a wide range of situations, particularly in the social sciences. The subject will focus on the application of basic game-theoretic concepts to analyse these situations, and will cover both non-cooperative and cooperative games. The latter will include the examination of issues in communitarian economics (such as the economics of organisations like the WTO, the IMF, World Bank, and other NGOs). Students will participate in simple game-playing exercises designed to reinforce and further their understanding of the concepts.

ECON334 Global Economics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECON101 and ECON111

Co-requisites: None

Subject Description: This subject introduces students to major contemporary global economic issues such as global economic growth and per-capita income: the external debt crisis; integrated international capital-markets; European monetary unification and its potential; free-trade negotiations and the formation of free-trade zones; the transition of centrally planned economies to market economies; and the economic implications of global environmental and resource degradation and the need for international co-ordination and co-operation.

ECON341 Special Topics in Economics-A

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: None

Co-requisites: None

Subject Description: Topics for this subject may be drawn from any area of economics which the Head of School considers to be suitable preparation for an undergraduate degree and appropriate to the special interests of students.

ECON342 Special Topics in Economics-B

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: None

Co-requisites: None

Subject Description: Topics for this subject may be drawn from any area of economics which the Head of School considers to be suitable preparation for an undergraduate degree and appropriate to the special interests of students.

ECON421 Honours Economics

Not on offer in 2007

Credit Points: 48

Pre-requisites: None

Co-requisites: None

Subject Description: The coursework comprises: advanced macroeconomic theory; advanced micro-economic theory; and the history of economic thought and methodology. The thesis must be a piece of original research and is evaluated by internal and external examiners.

ECON423 Honours Econometrics

Not on offer in 2007

Credit Points: 48

Pre-requisites: ECON221 ECON327

Co-requisites: None

Subject Description: The course work comprises: advanced macroeconomic theory; advanced micro-economic theory; methodology; and econometric theory. The thesis must be a piece of original research on theoretical or applied econometrics and is evaluated by internal and external examiners.

ECON451 Joint Honours Economics

Not on offer in 2007

Credit Points: 24

Pre-requisites: ECON221 ECON327

Co-requisites: None

Subject Description: The course work consists of components chosen by the Head of the Economics Department from those required of students in ECON421 Honours Economics to the value of 24 credit points. The other 24 credit points in another discipline must be in 400-level subjects approved by the relevant Head of Department.

FIN 221 Introductory Business Finance

Spring Wollongong On Campus

Autumn Moss Vale On Campus

Autumn Wollongong On Campus

Autumn Shoalhaven On Campus

Autumn Bega On Campus

Autumn Batemans Bay On Campus

Autumn Loftus On Campus

Credit Points: 6

Pre-requisites: ACCY102 and ECON111

Co-requisites: None

Exclusions: Not to count with ACCY221 and ACCY241 or FIN241

Subject Description: This subject provides an introduction to business finance. It includes a critical examination of the theory and practice of corporate financial management, including the capital structure decision, the capital acquisition/disbursement decision, and the investment decision for both current and long term assets. The main focus is on financial decision making, with consideration of risk and returns a fundamental consideration.

FIN 223 Investment Analysis

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ACCY221 or FIN221 or FIN251 or FIN241

Co-requisites: None

Exclusions: Not to count with ACCY223

Subject Description: This subject deals with security analysis and portfolio management. The subject is both

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	descriptive, dealing with a range of securities and the market they operate in, and theoretical, considering theories of the market and the equilibrium prices of securities. Topics covered include portfolio theory and the capital asset pricing model, portfolio management, company, industry and market analysis, investment strategies and the evaluation of portfolio performance.		
Commerce	FIN 226 Financial Markets & Institutions	Autumn Wollongong On Campus	
		Spring Wollongong On Campus	
		Spring Shoalhaven On Campus	
		Spring Batemans Bay On Campus	
		Spring Bega On Campus	
		Spring Moss Vale On Campus	
		Spring Loftus On Campus	
Creative Arts	Credit Points: 6 Pre-requisites: ACCY102 and ECON111 Co-requisites: None Exclusions: Not to count with ACCY226 Subject Description: This subject examines the history and development of financial institutions and financial markets in Australia and elsewhere. Topics covered include: the role of the financial system; functions of financial markets; money markets and capital markets; the banking and payments system; financial systems regulation; the operations of the stock exchange; corporate and government debt markets; the euromarket; and, derivative markets.		
Education			
Engineering	FIN 241 International Financial Management	Autumn Wollongong On Campus	
	Credit Points: 6 Pre-requisites: ACCY102 and ECON111 Co-requisites: None Exclusions: Not to count with ACCY241 and ACCY221 or FIN221 Subject Description: This subject introduces students to the use of financial tools in an international context. The subject covers the basic techniques of finance and these are then related to international financial markets, institutions and practice. Students learn to evaluate the relationship between risk and expected return from international investments and develop an understanding of short and long-term international debt and equity capital markets.		
Health & Behavioural Sciences			
Informatics	FIN 251 Introduction to Financial Planning	Autumn Wollongong On Campus	
	Credit Points: 6 Pre-requisites: ACCY102 and ECON111 Co-requisites: None Subject Description: This subject introduces students to the role of the financial planner. The material covered includes an overview of the financial products available to clients, methods to assess client needs and risk profiles. Financial planning in Australia is subject to particular codes of conduct. These industry standards and the regulatory environment that governs the operation of such advisory services are also presented.		
Law			
Science	FIN 320 Risk and Insurance	Spring Wollongong On Campus	
	Credit Points: 6 Pre-requisites: 12 credit points in finance subjects Co-requisites: None		

Exclusions: Not to count with ACCY327

Subject Description: This subject deals with the concepts and technical analysis of risk, risk attitudes and insurance. The focus is on providing protection against the portfolio, financial and corporate risks that are common to any number of basic and advanced investment decisions. Topics covered include risk insurance in relation to the share portfolio, hedging against currency exchange rate movements and protection for the loan portfolio from interest rate movements.

FIN 322 Advanced Business Finance

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points in finance subjects

Co-requisites: None

Exclusions: Not to count with ACCY322

Subject Description: This subject examines advanced aspects of the financial management of corporate resources with an emphasis on issues in financial planning and strategy. Topics include firm governance and the role of shareholders and stakeholders, the management of corporate debt and equity, mergers and acquisitions, financial distress and restructuring, and financial architecture and strategies. Special attention is given to the increasing complexity of the business environment and departure from the assumptions of an ideal capital markets.

FIN 323 Portfolio Management

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ACCY223 or FIN223

Co-requisites: None

Exclusions: Not to count with ACCY323

Subject Description: This subject undertakes the advanced analysis of investment theory with an emphasis on the integration of derivative use and strategies with other portfolio management skills. Individual topics include, binomial decision theory, trading strategies using complex derivative structures, interest rate futures and swaps, the 'Greeks', futures options, value at risk, credit derivatives, and weather, energy, and insurance derivatives.

FIN 324 Financial Statement Analysis

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points in Finance subjects

Co-requisites: None

Exclusions: Not to count with ACCY324

Subject Description: This subject introduces the language, concepts and principles of corporate financial information analysis, and critically evaluates financial statements as data sources for business analysis and valuation. A four step business evaluation framework guides extraction of decision useful information from publicly available accounting information sources within the context of business strategies. Analytical principles and techniques are applied to four commonly met areas of business decisions about corporate financial performance and evaluation.

FIN 325 Bank Management

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points in Finance subjects

Co-requisites: None

Exclusions: Not to count with ACCY325

Subject Description: This subject examines and deals with information on the bank management practices and operation of banks. The subject involves in depth discussions and analysis of bank management issues such as bank lending, banking interest rate models, off-balance sheet activities, operating costs & technology, foreign exchange, sovereign, liability & liquidity risks management and capital adequacy within both the Australian and international banking framework.

FIN 327 Entrepreneurial Finance

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points in Finance subjects

Co-requisites: None

Exclusions: Not to count with ACCY227 or FIN227

Subject Description: This subject deals with financial management in small and medium organisations from a largely practical perspective by applying adapted versions of traditional financial analysis to small business enterprises. The subject takes a life-cycle approach moving through the stages of starting, building and finally harvesting a successful business. Issues addressed in this subject include valuation, performance measurement, obtaining and organising finance, financial planning, and cost of financial capital and exit strategies.

FIN 328 Retirement and Estate Planning

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: FIN251

Co-requisites: None

Exclusions: Not to count with ACCY328

Subject Description: This subject provides an overview of the procedures and theory of retirement and estate planning. It discusses the goals and objectives of retirement planning with a view to maximisation of the benefits accruing to the retiree. The subject matter also includes a comprehensive overview of superannuation and the implications of the various superannuation strategies.

FIN 329 Advanced Financial Planning

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: FIN251

Co-requisites: None

Exclusions: Not to count with ACCY329

Subject Description: This subject is a final subject in the financial planning major and brings together prior learning in the degree course. The preparation of a detailed statement of advise (SOA) incorporating all advanced aspects of financial advice covering strategies for wealth accumulation, retirement planning, estate planning, taxation consequences, risk considerations will be covered in the subject. The material covered includes a detailed analysis of the financial products available to clients in addition to detailed analysis of client needs and risk profiles and development of specific investment portfolios. The subject will also cover codes of conduct in the industry and present industry standards in addition to the regulatory environment that governs the provision of advisory services in Australia.

FIN 351 International Finance

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points in Finance subjects

Co-requisites: None

Exclusions: Not to count with ACCY351

Subject Description: This subject analyses financial markets in the international sphere, concentrating on the Australasian region. It explores the concepts and relationships linking international financial markets within the region and the operation of Australian firms in those markets. It covers such issues as the de-regulation of Australian banking and the Eurofinance market, the pricing of foreign exchange, the international financing decision, foreign exchange and interest rate risk management.

FIN 359 Selected Issues in Finance

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ACCY221 or FIN221

Co-requisites: None

Exclusions: Not to count with ACCY359

Subject Description: This subject examines selected topics in the area of finance. Subjects examined are topical issues and problem areas in the discipline and naturally change from year to year.

FIN 422 Advanced Investment Analysis

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ACCY422

Subject Description: This subject is about the tools and logical frameworks with which decision makers choose their investments in a world characterised by uncertainty (risk). Emphasis is on investment in financial assets such as shares, bonds and futures rather than on real assets. Particular subjects covered include portfolio choice, allocations of investments between risky and riskless assets, the term structure of interest rates, asset pricing models, options pricing and hedging with derivatives.

FIN 423 Advanced Portfolio Management

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ACCY423

Subject Description: This subject examines advanced topics in the modern theory of optimal investment decision-making, portfolio theory, capital and derivative markets. Topics examined include market efficiency models in valuing portfolios and securities, bond analysis, portfolio management and performance evaluation. The subject also provides a theoretical framework within which all derivative securities can be valued and hedged and also examines the way derivatives are traded.

FIN 424 Advanced Financial Statement Analysis

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	Exclusions: Not to count with ACCY424 Subject Description: This subject examines the framework for financial statement analysis with discussion of the role of accounting information and intermediaries. Emphasis is on the appraisal and prediction of corporate financial performance from publicly available information such as accounting numbers, industry and economic statistics as well as other stock market data. Cases and problems are gradually introduced, provoking an analytical and creative thinking process ending with the evaluation and preparation of appropriate business strategies.
Commerce	FIN 425 Banking Theory and Practice Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with ACCY425 Subject Description: This subject examines bank management theory as applied to the practice of bank operations within the banking sector. It entails comprehensive discussion on issues that are commonly involved within the banking environment such as the regulatory structure, risk management, commercial and consumer lending, capital adequacy analysis, banking financial futures and forwards, the cheque clearing system and the latest information technology within the banking world.
Creative Arts	
Education	
Engineering	FIN 426 Advanced Corporate Finance Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with ACCY426 Subject Description: This subject examines advanced aspects of financial controllership and corporate finance within the contemporary business environment. The subject first analyses the impact of less-than-ideal capital markets, information asymmetries and principal-agent conflicts on practical decision-making in the firm. It then investigates several specialised areas receiving increased scrutiny from corporate stakeholders including financial distress and restructuring, corporate governance, organisational architecture and risk management, debt and equity strategies, and mergers and acquisitions.
Health & Behavioural Sciences	
Informatics	FIN 427 Small Business Finance Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with ACCY427 Subject Description: This subject deals with the financial management tools and techniques appropriate for small and medium-sized business enterprises. It includes study of potential investors and their mindset at various stages in the firm's life cycle, thus covering sources, uses and management of funds from pre-purchase to public listing. A case study approach is employed. Issues addressed include valuation, performance measurement, obtaining and organising finance, financial planning, and cost of financial capital and exit strategies.
Law	
Science	

FIN 428 Multinational Financial Management

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ACCY428

Subject Description: This subject examines international finance and investment from the perspective of the multinational corporation. Topics studied include various aspects of the international monetary system, the Euromarkets, foreign exchange markets, internal and external exposure management techniques, currency futures and options, swaps, financing multinational corporation investment, multinational corporation investment decision making, political risk analysis and international taxation.

FIN 487 Special Topic in Finance

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ACCY487

Subject Description: This subject provides an opportunity for students to study a topic of interest within the theory and application of finance. The program of study comprises a combination of coursework and/or research with subject objectives and assessment approved by the Head of Discipline.

FIN 491 Honours Finance

Not on offer in 2007

Credit Points: 48

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ACCY491

Subject Description: The subject is designed around a coursework and a research essay component. The subject first comprises a core of coursework comprising accounting and finance theory, research methods and financial analysis. A major research essay then reports the results of a research study undertaken by candidates under academic supervision. In addition there is some elective coursework study in a program approved by the subject coordinator or Head of Discipline.

FIN 492 Joint Honours Finance

Not on offer in 2007

Credit Points: 24

Pre-requisites: None

Co-requisites: None

Subject Description: This subject enables the School of Accounting and Finance to offer joint honours with other disciplines within the Faculty of Commerce or the University. This will appeal to those students who wish to combine aspects of two different disciplines when undertaking an honours program, and helps strengthen the strategic links between the School of Accounting and Finance and other discipline areas within the university.

MARK101 Marketing Principles

Spring	Loftus	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Shoalhaven	On Campus
Spring	Moss Vale	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None

Exclusions: Not to count with MARK213, MARK293 or MGMT213

Subject Description: The subject examines basic marketing concepts to build up a sound understanding. The material assists those who want to be specialist marketers and those interested in undertaking other business or professional studies. What you learn in this subject will be of value to you for the rest of your lives as consumers and as members of the business community.

MARK201 Applied Marketing Research A

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 6**Pre-requisites:** MARK101 or MARK213**Co-requisites:** None

Exclusions: Not to count with MARK319

Subject Description: In an increasingly dynamic environment where market data and computers are easily available, marketing research is not a field of competitive advantage. However failure to engage in marketing research activity leads to disadvantages in the strong competitive market place. Mastering marketing research is necessary for successful marketing. This subject will focus on the practice of marketing research by integrating theory and application. Applied Marketing Research includes the research process from the problem definition to the fieldwork design. The remaining components are covered in Applied Marketing Research B.

MARK202 Applied Marketing Research B

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 6**Pre-requisites:** MARK101 or MARK213, and MARK201 or MARK319**Co-requisites:** None

Exclusions: Not to count with MARK239

Subject Description: In an increasingly dynamic environment where market data and computers are easily available, marketing research is not a field of competitive advantage. However, failure to engage in marketing research activity leads to disadvantages in the strong competitive market place. Mastering marketing research is necessary for successful marketing. This subject will focus on the practice of marketing research by integrating theory and application. Applied Marketing Research B (MARK202) continues where Applied Marketing Research A (MARK201) ends and encompasses the entire marketing research process starting with the fieldwork phase: organising, supervising and conducting fieldwork, entering data, analysing data, drawing conclusions and reporting the findings.

MARK213 Marketing Principles

Spring	Wollongong	On Campus
Autumn	Wollongong	On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None

Exclusions: Not to count with MARK101

Subject Description: The subject examines marketing's role in the economy and the nature of marketing systems. After considering the role of the marketing function in the organisation, the marketing decision process is examined. The identification of market opportunities, the selection of target markets from market segmentation, and buyer behaviour is covered. Marketing mix decisions are dealt with in the context of the marketing program.

MARK217 Consumer Behaviour

Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Moss Vale	On Campus
Autumn	Wollongong	On Campus
Autumn	Loftus	On Campus

Credit Points: 6**Pre-requisites:** (MARK101) or (MARK213) or (MARK293)**Co-requisites:** None

Subject Description: Consumer Behaviour involves gaining a greater understanding of the consumers as individuals by studying perception, learning and memory, motivation and values, personality, lifestyles, attitudes and attitude change. Additionally the content of this subject focuses upon consumers as decision makers, involving an examination of the entire purchase process. Other areas of interest include household and organisational decision making, and the influence of culture on consumption.

MARK270 Services Marketing

Spring	Wollongong	On Campus
Spring	Bega	On Campus
Spring	Shoalhaven	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus
Spring	Loftus	On Campus

Credit Points: 6**Pre-requisites:** (MARK101) or (MARK213) or (MARK293)**Co-requisites:** None

Subject Description: This subject covers the practice of marketing of services. Significantly, this incorporates both conceptual and practical issues not always evident in the existing marketing literature covering the marketing of products. As well, the global growth of the service sector has focused attention on the marketing function for organisations serving this sector. This subject is designed to equip practitioners to function effectively in the expanding world of services marketing.

MARK301 Internet Applications for Marketing

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 6**Pre-requisites:** (MARK101) or (MARK213)**Co-requisites:** None**Subject Description:** This subject deals with the

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	issues facing internet users to establish the distinctly different environment in which people operate online. This grounding is then used as a basis to build an understanding of the internet to key applications in marketing such as research, adding value in the areas of product, distribution, pricing and promotion. It is a consumer focussed perspective that most students will be able to relate to from their own experience and therefore suitable for a 2nd or 3rd year undergraduate subject.
Commerce	MARK317 Business to Business Marketing Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: (MARK101) or (MARK213) or (MARK293) Co-requisites: None Subject Description: This subject will give students an appreciation of the differences between organisational and consumer customers. Organisation buying practices are different from the processes of consumers and as a result marketing strategy and operations have distinctly different imperatives. With a much higher level of rationality in decision making, there is a far greater focus on product management and innovation as a source of competitive advantage. There is also a greater focus on logistics and distribution functions as reliability of supply is a key need of customers, particularly when product delivery has to interface directly with customer operations. The central role of personal selling in the promotional mix is also dealt with in depth as it is critically important in generating sales and maintaining relationships with customers.
Creative Arts	
Education	
Engineering	MARK320 Social Marketing Spring Wollongong On Campus Credit Points: 6 Pre-requisites: (MARK101) or (MARK213) Co-requisites: None Subject Description: Social marketing seeks to change strongly ingrained behaviour or firmly held beliefs in a manner that benefits individuals and society at large. Examples of social marketing include campaigns to reduce or prevent smoking, alcohol consumption, drug use, domestic violence and unsafe driving. This subject examines how to design a step-by-step program that will move the target audience from indifference to action and ultimately maintenance. This is achieved by applying marketing techniques and concepts to the solution of various social problems. This subject will use a case-study approach to teaching the key concepts and skills of social marketing, drawing on current and historic Australian and international campaigns.
Health & Behavioural Sciences	
Informatics	
Law	MARK333 Marketing Communications Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: (MARK101) or (MARK213) or (MARK293) Co-requisites: None Subject Description: Marketing communications (marcoms) come in many forms. Examples include, but are far from limited to, mass media advertising, promotions, celebrity endorsements, and after-sales support. This subject aims to develop students' appreciation of the role that marcoms play in the company's marketing efforts as well as how prospective customers process and are influenced by marcoms.
Science	

The subject has a managerial perspective and by the end of the subject students will be able to both manage and critically evaluate marcoms campaigns.

MARK343 International Marketing

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: (MARK101) or (MARK213) or (MARK293)

Co-requisites: None

Subject Description: The principal aim of the subject is to analyse the global marketing environment and develop appropriate international marketing strategies. The content will include: socio-economic, legal, political, financial and cultural factors affecting international marketing operations; analysing the profiles of selected regional markets and strategic options for entry and expansion in those markets; international marketing research methods and data analysis techniques; international marketing mix decisions; and contemporary issues in multinational marketing.

MARK344 Marketing Strategy

Spring Loftus On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Shoalhaven On Campus
Spring Moss Vale On Campus
Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MARK101 or MARK213 PLUS 12 credit points from 200 level MARK subjects

Co-requisites: None

Subject Description: This is the 'capstone' unit in the marketing major. As such it is designed to integrate skills and knowledge in a number of other business disciplines. It will draw heavily on the areas of not only marketing theory and market research methods but also economics, finance, managerial accounting and management theory. It is designed to develop analytical skills and diagnostic ability for the proposal, implementation and control of alternative marketing strategies and plans.

MARK356 Creating & Marketing New Products

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: (MARK101) or (MARK213) or (MARK293)

Co-requisites: None

Subject Description: New Product Marketing covers issues related to the development and marketing of new products. Topics include: the role of new products in the success of organisations, the new product development process, marketing mix, issues concerned with new products organisation and management of new product development processes diffusion of new products new service development functions of product managers

MARK359 Sales Management

Not on offer in 2007

Credit Points: 6

Pre-requisites: (MARK101) or (MARK213) or (MARK293)

Co-requisites: None

Subject Description: The subject covers key

areas of sales management including: relationship to wider context of marketing practice, conceptual and behavioural issues, organisational context, motivation, selection & training, motivation, compensation and incentives, approaches to evaluation and control.

MARK393 Special Topic in Marketing

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: (MARK101) or (MARK213) or (MARK293)

Co-requisites: None

Subject Description: Selected issues in marketing. Enrolment is subject to approval of the Head of Discipline for Marketing

MARK394 Special Topic in Marketing B

Not on offer in 2007

Credit Points: 6

Pre-requisites: (MARK101) or (MARK213) or (MARK293)

Co-requisites: None

Subject Description: A selected issue in Marketing, involving an individual case analysis or business project. Enrolment is subject to the approval of the Head of the Marketing Discipline. The subject is taken only under special circumstances as a substitute for an approved subject under the Marketing major or double major schedule.

MARK395 Tourism Marketing

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MARK101

Co-requisites: None

Subject Description: This subject introduces, discusses and analyses issues unique to the marketing of tourism products. The focus of this subject is the application of marketing principles and theory in the development of strategic marketing plans for tourism products. The application of strategic tourism marketing planning to the destination, accommodation and tour operator sectors of the tourism industry at the regional, national and international level are analysed. In addition, the subject identifies and discusses contemporary issues in tourism marketing including the impact of e-commerce, database marketing and environmental based tourism.

MARK397 Retail Marketing Management

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: (MARK101) or (MARK213) or (MARK293)

Co-requisites: None

Subject Description: Retail Marketing Management will include a background to retailing, the scope of retailing, retailing strategies, merchandise and store management. Additionally topics such as location, non-store retailing, human resource management, logistics, promotion, pricing, customer service and store layout are also studied. Particular emphasis will be placed on case analysis in order to bring as much of the 'real world' as possible into the classroom.

MGMT102 Business Communications

Spring Wollongong On Campus

Spring Shoalhaven On Campus

Spring Bega On Campus

Spring Batemans Bay On Campus

Spring Moss Vale On Campus

Spring Loftus On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject introduces the theory and practice of communication in business and in workplaces. It offers knowledge and information on how students can become more effective, culturally sensitive and humane communicators personally and professionally. It examines and discusses the cultural, organisational and personal contexts and processes of communication in groups, meetings, interviews, public speaking, presentations and writing. Other issues discussed include interpersonal skills, understanding non-verbal messages, listening and building relationships in business and workplaces.

MGMT110 Introduction to Management

Autumn Loftus On Campus

Autumn Bega On Campus

Autumn Batemans Bay On Campus

Autumn Shoalhaven On Campus

Autumn Moss Vale On Campus

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject introduces students to key management theories and concepts including organisational culture, social responsibility, ethics, managing groups, motivating employees, planning, managing human resources and employee relations, strategic management, decision-making, managing operations, leadership and management control systems. The subject is designed to provide an opportunity for students to acquire understanding through a series of lectures supported by student participation in simulation activities. The subject is presented from the point of view of managers, but students will learn how the different interests between organisational stakeholders affect various management processes.

MGMT200 Management and Electronic Business

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Must have successfully completed a minimum of 12 credit points of subjects from the Commerce, Information Technology or Engineering schedules.

Co-requisites: None

Subject Description: This subject identifies key management issues arising from the use of e-commerce in organisations and across organisations and in different industry sectors. It examines how e-commerce affects areas such as information and knowledge management, decision making, teamwork, communication internal processes and culture, and relationships with supply chains, customers,

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	government and society. It considers the managerial choices and strategies arising from technological and organisational change related to electronic business.	financial management of businesses and projects; markets and marketing; technology management; operations management, and basic project management techniques.
Commerce	MGMT201 Organisational Behaviour Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MGMT110 Co-requisites: None Subject Description: The subject examines aspects of the social and behavioural sciences that are relevant to understanding human behaviour in work organisations. The focus of the subject ranges from the behaviour and activities of individuals and groups in organisational settings, to understanding complex organisations as a whole.	MGMT215 Small Business Management Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: ACCY101 or ACCY100 & ACCY102 Co-requisites: None Subject Description: Smaller enterprises are becoming increasingly important to the economic well being of many nations. This subject gives students an opportunity to develop an awareness of the role of the small enterprise in the economy and society, and the key factors involved in their management. The subject is oriented at the study of smaller enterprise rather than training the student to start and manage a small firm itself.
Creative Arts	MGMT205 Recruitment & Selection Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MGMT110 and MGMT206 or MGMT398 Co-requisites: None Subject Description: This subject examines the environment and process of recruitment and selection. Recruitment strategies are described and assessed from the perspective of the organisation and the individual. In particular, a range of personnel selection techniques are examined in relation to reliability, validity, fairness and applicability. Also a range of practical skills in designing personnel selection techniques are developed.	MGMT218 Competitive Analysis Spring Wollongong On Campus Credit Points: 6 Pre-requisites: ECON111 Co-requisites: None Subject Description: This subject develops models and techniques for measuring and understanding the complexity of competition. Case studies and empirical analysis are used to show how firms can analyse the industry in which a firm is located, understand its competitors and its own position, and grasp how this might influence its business strategy. Topics include: Structural analysis of industries; competitor analysis; competitive strategies; development of generic strategies; buyers/suppliers strategy; strategy in different industrial environments; strategy formulation in a multinational competitive environment.
Education		
Engineering	MGMT206 Managing Human Resources Spring Wollongong On Campus Spring Bega On Campus Spring Batemans Bay On Campus Spring Shoalhaven On Campus Spring Moss Vale On Campus Autumn Wollongong On Campus Spring Loftus On Campus Credit Points: 6 Pre-requisites: MGMT110 Co-requisites: None Exclusions: MGMT398 Subject Description: This subject is concerned with the concepts, techniques and activities involved in managing the flow of people through work organisations. Emphasis is placed on understanding the techniques of contemporary HRM that can be applied in organisations to facilitate the acquisition and development of staff, to influence positively their job performance, and to manage the processes of staff turnover and retention.	MGMT220 Organisational Analysis Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MGMT110 Co-requisites: None Subject Description: This subject examines different perspectives from which organisational can be analysed. Students are provided with an understanding of the main theoretical frameworks used to explain how organisational members are affected by organisational structures, environments, political processes and cultural aspects of organisations.
Health & Behavioural Sciences		
Informatics		
Law	MGMT208 Introduction to Management for Professionals A Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with MGMT308 Subject Description: This subject provides an introduction to the environment of the business enterprise, and explores key managerial functions, concepts and techniques. Topics covered include: analysis of the business environment; competitive strategy; managerial decision-making; work behaviour; business planning,	MGMT255 Inventory Management <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: MGMT110 and ECON121 or COMM121 Co-requisites: None Subject Description: This subject focuses on models and techniques that operations managers use to diagnose and evaluate operational performance, and make short-term and long-term decisions. It introduces various descriptive and decision-support models for inventory management, mathematical models used in the design and analysis of inventory systems, and models used to ascertain deterministic and stochastic demands and lead times. Optimality of (s,S) policies for multiproduct and multi-echelon systems are also covered.
Science		

MGMT256 Systems Thinking and Simulation

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** MGMT110 and ECON121 or COMM121**Co-requisites:** None

Subject Description: This subject will focus on the essentials of systems dynamics and strategic systems thinking. Applied systems dynamics modelling will be introduced through continuous simulation of business and management processes. Discrete event simulation will also be introduced to illustrate how systems modelling techniques can be applied to manufacturing and service enterprises, and to the attendant supply chains.

MGMT257 Principles of Supply Chain Management

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** MGMT110 and ECON121 or COMM121**Co-requisites:** None

Subject Description: This subject introduces students to the principles and techniques of supply chain management. Students are provided with an overview of the main functions associated with managing supply chains, such as purchasing, operations, logistics and relational integration. Core topics and concepts covered include: the bullwhip effect, supplier relationships, forecasting and demand management, enterprise resource planning and transportation's role in the supply chain and in customer relationship management. The subject also provides the student with an understanding of the challenges of measuring supply chain performance.

MGMT300 Innovation and Electronic Commerce

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** 12 credit points of subjects from Commerce, Information Technology or Engineering schedules**Co-requisites:** None

Exclusions: Not to count with COMM300

Subject Description: Electronic Commerce and the information technology and communications systems it employs can be seen as 'transforming technology' that is changing the way that all firms do business. The subject aims to show the relationship between the management of innovation and the wide-reaching influence of the internet on organisational structures and business strategies. Theoretical and professional issues associated with the management of product and process innovation are addressed. Emphasis will be placed on the strategic implications of innovation as a source of competitive advantage for both firms and industries.

MGMT301 Managing Across Cultures

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** MGMT110 plus 12 cps from 200 or 300 level Faculty of Commerce subjects**Co-requisites:** None

Subject Description: This subject explores the influence of culture on management from an international business perspective. It discusses major

theories of culture and their practical application to management issues such as communication, negotiation, decision-making, human resource management, ethics, expatriation and diversity. The subject fosters an understanding of how to manage successfully across cultural boundaries in an international business context.

MGMT308 Introduction to Management For Professionals A*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** None**Co-requisites:** None

Subject Description: This subject gives an introduction to the environment of the business enterprise and key managerial concepts and techniques. Topics to be introduced include: the environment and the business enterprise, managerial decision-making, planning finance and costs, markets and marketing, technology management; competitive strategy; operations management and project management.

MGMT309 Supply Chain Strategies

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** MGMT110, MGMT257 and ECON121 or COMM121**Co-requisites:** None

Subject Description: This subject focuses on supply chain strategies that are customer focused and market driven. It distinguishes between operational or supply-based approaches and strategic approaches to supply chain management, exploring the latter in depth. This subject highlights and provides solutions to the main challenges facing organisations wanting to select design and implement successful supply chain strategies in an increasingly global and competitive environment.

MGMT311 Management of Change

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** MGMT110**Co-requisites:** None

Subject Description: This subject deals with management of change in organisations. Topics include: sources of change, resistance to change, coping with change, organisational values, creation of organisational visions and missions, leading organisational change, models of organisational change, creation and change of organisational cultures. Emphasis is placed on the application of theory to case study examples.

MGMT314 Strategic Management

Spring Wollongong On Campus

Autumn Bega On Campus

Autumn Batemans Bay On Campus

Autumn Shoalhaven On Campus

Autumn Moss Vale On Campus

Autumn Wollongong On Campus

Autumn Loftus On Campus

Credit Points: 6**Pre-requisites:** MGMT110 plus MARK213 or MARK101 and MGMT218 or MGMT220**Co-requisites:** None

Subject Description: The subject deals with the strategic management process and planning functions

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	in the business enterprise. Emphasis will be placed on the process by which opportunities and threats to the business enterprise are recognised and evaluated, and on the strategies required to meet these challenges. Topics include: business mission; customer and competitor analysis; industry analysis; environmental analysis; strategy and organisation; alternative business strategies.
Commerce	MGMT316 Operations Management Spring Wollongong On Campus Credit Points: 6 Pre-requisites: ECON121 or COMM121 and ECON111 Co-requisites: None Subject Description: The purpose of this subject is to provide the student with a broad understanding of the key issues in modern operations management in both manufacturing and service organisations, and to allow the student to develop some basic skills in the methodologies of operations management. It is an introductory subject designed for undergraduate students with no previous study in operations management. The subject content and assessment components reflect quantitative procedures associated with operations management and also qualitatively explore the relevant strategic, managerial and ethical issues associated with operations management.
Creative Arts	
Education	
Engineering	MGMT321 Occupational Health and Safety Management Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MGMT110 and MGMT398 or MGMT206 Co-requisites: None Subject Description: This subject aims to give students a critical introduction to the broad subject of Occupational Health and Safety Management (OHSM) and to examine in detail some of the specific theoretical and practical issues related to the topic. Under the broad rubric of OHSM, there are a number of competing perspectives, views and voices. This subject will not privilege one model over another. Rather, it will present some of these competing views in a manner that will require individual students to exercise their critical faculties and develop their own, theoretically informed approach to the practical management of OH&S
Health & Behavioural Sciences	
Informatics	MGMT322 Training & Development Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MGMT110 and MGMT398 or MGMT206 Co-requisites: None Subject Description: This subject provides students with an understanding of key concepts and practical approaches to the development of people in organisations. Topics include: theories and models of learning; job analysis; identification of training needs; training delivery forms and their selection; skills development and training; multi-skilling and flexibility; management development; succession planning; national and international frameworks of training; organisational learning and the learning organisation; organisational development; evaluation of training and development.
Law	
Science	

MGMT328 Logistics Management

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MGMT110 and ECON121 or COMM121

Co-requisites: None

Subject Description: This subject provides an overview of logistics and inventory management approaches, exploring their role in overall supply chain strategy formulation. Students will develop understanding of procurement and inventory management models, the role of enabling technologies within the supply chain, and performance measurements techniques. Building on these principles, students will gain an understanding of the synergy between all aspects of logistics within the context of total supply chain management.

MGMT332 Enterprise and Innovation

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ACCY101 or ACCY100 & ACCY102 plus MARK213 or MARK101

Co-requisites: None

Subject Description: Innovation is an important issue for economic development. This subject investigates and studies the concept of innovation and people who make it happen - the entrepreneurs. The enterprise focus covers both new venture creation within an SME context and intrapreneurship in a larger firm context. This subject allows students to undertake the action learning process of sourcing a possible innovative business idea and then test it using a business plan that they will develop and present.

MGMT341 International and Comparative Human Resource Management

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MGMT110 plus 12 cps from Faculty of Commerce 200 or 300 level subjects

Co-requisites: None

Exclusions: Not to Count for credit with ECON340 and COMM341

Subject Description: This subject focuses on the management of people in multinational firms. Main topics include: differences between domestic and international human resource management (HRM) and firm-level adjustments as firms go international; managing and supporting staff on international assignments (recruitment and selection, training and development, compensation and re-entry and career issues); global HRM issues, including industrial relations, performance management, and future issues; the HRM and industrial environment in a selection of countries.

MGMT350 Quality Management

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MGMT110 plus ECON121 or COMM121

Co-requisites: None

Subject Description: The purpose of this subject is to provide the student with an introduction to the principles and tools associated with the management philosophy and technique called 'Quality Management'. It is an introductory subject designed for undergraduate students with no previous study in this field. The subject engages

145

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Faculty of Creative Arts

Member Units

School of Journalism and Creative Writing

- Journalism
- Creative Writing

School of Music and Drama

- Performance (Music and Theatre)
- Sound – Composition and Music Production

School of Art and Design

- Visual Arts
- Graphic Design
- Visual Arts and Graphic Design
- Media Arts

Degrees Offered

Single Degrees

Bachelor of Creative Arts

Bachelor of Creative Arts (Dean's Scholars)

Bachelor of Creative Arts (Honours)

Bachelor of Journalism

Double Degrees

Bachelor of Creative Arts – Bachelor of Communication and Media Studies

Bachelor of Creative Arts – Bachelor of Arts

Bachelor of Creative Arts – Bachelor of Commerce

Bachelor of Creative Arts – Bachelor of Science

Bachelor of Creative Arts – Bachelor of Computer Science

Bachelor of Creative Arts – Bachelor of Laws

Bachelor of Journalism – Bachelor of Creative Arts

Bachelor of Journalism – Bachelor of Arts

Bachelor of Journalism – Bachelor of Communication and Media Studies

Bachelor of Journalism – Bachelor of Commerce

Bachelor of Journalism – Bachelor of Science

Bachelor of Journalism – Bachelor of Laws

Bachelor of Journalism – Bachelor of Engineering

For tuition fee information please see the following:

Domestic – www.uow.edu.au/student/finances/studentcontributions.html

International – www.uow.edu.au/prospective/international/fees/

This publication contains information which is current at December 2006. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Creative Arts

Testamur Title of Degree:	Bachelor of Creative Arts
Abbreviation:	BCA
Home Faculty:	Faculty of Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	840
UAC Codes:	Specified below for each major
CRICOS Code:	001709K

Overview

The Bachelor of Creative Arts is a three-year full-time course made up of a combination of theory and practical work in a major study area.

Entry Requirements

Applicants must be prepared to demonstrate their ability (in both theory and artistic practice) to meet the criteria for a proposed major as determined by an interview or audition. No applications (whether made via the UAC or directly to UOW) will be considered unless the student has completed and submitted a Creative Arts application for Interview/Audition by Friday 28 September, 2007. A late application fee of \$50 will apply for applications submitted after the closing date. Portfolio and/or audition requirements are specified below for each major.

International applications may be submitted anytime throughout the year for commencement in the next academic year.

Advanced Standing

Advanced standing arrangements for the Bachelor of Creative Arts are currently under review. Students seeking advanced standing are advised to contact the Faculty of Creative Arts office for further details.

Course Requirements

The BCA degree requires 3 years of full-time study or part-time equivalent and the completion of subjects to the value of 144 credit points.

Students enrolling in the BCA are required to complete either:

1. a) 108 credit points of core subjects in the major (36 credit points each at 100, 200 and 300 level); and
b) 36 credit points of elective subjects of which no more than 18 credit points may be taken at 100 level.

OR

2. 144 credit points of core subjects in the Visual Arts and Graphic Design major.

Electives

A limited range of electives is offered by the Faculty of Creative Arts. However, students are encouraged to take advantage of the full range of subjects available within the University. The core subjects focus on practice, in conjunction with a study in the history and theory of the discipline.

Honours

A fourth year is available at Honours level for outstanding students.

Major Study Areas

Creative Writing

UAC Code: 754601

A major in Creative Writing offers both a practical and theoretical understanding of writing practice. In year one, following an introductory subject on writing fundamentals, students specialise in one or more of the following areas:

- poetry
- prose fiction, and
- scripting for either film, television or theatre.

In year two, additional subjects are offered in:

- arts journalism
- editing
- hypertexts
- writing for performance, and
- scripting/scoring sound texts.

Year three subjects are geared towards:

- refinement of writing technique, and
- aspects of style.

Third year subjects allow for the development of larger-scale writing projects. Throughout the degree, students are involved in the critical examination of poetics and writing theory. In general, class activities are based around a combination of lectures, intensive workshops, writing exercises, group discussions and individual student presentations. The degree regularly makes use of various artist and writer-in-residence schemes. Students are encouraged to participate in public readings and performance of their work, as well as the active pursuit of publication.

Specific Entry Requirements

It is expected that applicants for a major study in Creative Writing will have developed a body of work in either prose fiction (short story or novel), poetry or some form of dramatic writing, and be able to demonstrate an ongoing and independent commitment to writing.

Major Study Program

Code	Subject	Session	Credit Points
100-Level			
WRIT111	Writing Overview	Autumn	6
WRIT109	Writing Strategies for Theme and Structure	Autumn	6
And any 2 of the following			
WRIT121	Writing for Stage and Screen	Spring	6
WRIT122	Writing Prose Fiction 100	Spring	6
WRIT123	Poetry 100: Introduction to Writing Poetry	Spring	6
Plus 12 credit points of theory:			
WRIT119	Theory for Practising Writers: Classicism to the Gothic	Autumn	6
WRIT129	Theory for Practising Writers	Spring	6
200-Level - Any 4 of the following			
WRIT210	Writing for the Internet	N/O 2007	6
WRIT211	Writing/Performing	Autumn	6
WRIT212	Writing Prose Fiction 200	Autumn	6
WRIT213	Poetry 200: Poetic Forms	Spring	6
WRIT214	Writing for Theatre 200	Autumn	6
WRIT215	Writing for Film and Television 200	Autumn	6
WRIT216	Editing Practice for Creative Writers	Spring	6
WRIT217	Arts Journalism 200	N/O 2007	6
WRIT222	Writing Extended Prose Fiction	Spring	6
WRIT228	Writing for Sound 200	Autumn	6
Plus 12 credit points of theory:			
WRIT219	Writing theory: Modernism	Autumn	6
WRIT229	Writing Theory: Modernist Avant-Gardes	Spring	6
300-Level - Any 4 of the following			
WRIT312	Advanced Prose Fiction A	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	WRIT313	Advanced Poetry A	Autumn	6																													
	WRIT314	Writing for Theatre 300	Spring	6																													
	WRIT315	Writing for Film and Television 300	Autumn	6																													
	WRIT316	Advanced Editing for Practising Writers	Autumn	6																													
	WRIT317	Writing: The Author and the Media	Autumn	6																													
Commerce	WRIT322	Advanced Prose Fiction B	Spring	6																													
	WRIT323	Advanced Poetry B	Autumn/Spring	6																													
	WRIT328	Writing for Sound 300 – Scoring and Production	Spring	6																													
	Plus 12 credit points of Theory:																																
	WRIT319	Writing theory: Structuralism to the Postmodern	Autumn	6																													
	WRIT329	Contemporary Theory and the Practising Writer	Spring	6																													
	Electives																																
Creative Arts	Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100 level.																																
	Performance																																
Education	UAC Code: 754603																																
	The Performance major offers subjects progressively leading to a high level of achievement in on-stage performance. Students accepted into Performance are provided with studies in:																																
Engineering	<ul style="list-style-type: none">– singing and speech– movement– dramaturgy, history and theory– text interpretation– devised performance techniques and improvisation– production skills																																
	Classes addressing all aspects of performance will provide students with the opportunity to perform for their peers and to work with visiting professional artists in masterclass and workshop situations. There are many opportunities for performance within the Faculty and the University.																																
Health & Behavioural Sciences	In first year the focus is on The Ensemble. Students undertake core technique subjects that provide a broad appreciation of performance history and culture. Interpretative skills are developed with reference to standard repertoire. Improvisation techniques are also developed to allow students to devise/perform material. Students also develop an integrated appreciation of theatrical values and acquire literacy in skills that will encompass all aspects of production. The second year focuses on on-stage interaction and students continue technique classes and perform in limited-access performances. Students are encouraged to engage in key creative production roles for third year performances. Students continue technique classes and perform to a wider audience at one of the theatres on campus, or at performance venues off campus.																																
	Specific Entry Requirements																																
Informatics	For audition, applicants will be asked to learn and prepare one monologue, or a scene from materials supplied. This information will be sent to short-listed applicants by the first week in November. Applicants will be asked to present one song of their choice that best displays vocal range and ability. At the auditions, applicants will be assessed on their movement and improvisation skills.																																
Law	Major Study Program																																
	<table><tr><th>Subjects</th><th>Session</th><th>Credit Points</th></tr><tr><td>100-Level</td><td></td><td></td></tr><tr><td>PERF102 Studio Practice A</td><td>Autumn</td><td>6</td></tr><tr><td>PERF103 Studio Practice B</td><td>Spring</td><td>6</td></tr><tr><td>PERF120 Performance Skills A</td><td>Autumn</td><td>6</td></tr><tr><td>PERF121 Performance Skills B</td><td>Spring</td><td>6</td></tr><tr><td>Plus 12 credit points of Theory:</td><td></td><td></td></tr><tr><td>PERF116 Dramaturgy A</td><td>Autumn</td><td>6</td></tr><tr><td>PERF117 Dramaturgy B</td><td>Spring</td><td>6</td></tr><tr><td>200-Level</td><td></td><td></td></tr></table>				Subjects	Session	Credit Points	100-Level			PERF102 Studio Practice A	Autumn	6	PERF103 Studio Practice B	Spring	6	PERF120 Performance Skills A	Autumn	6	PERF121 Performance Skills B	Spring	6	Plus 12 credit points of Theory:			PERF116 Dramaturgy A	Autumn	6	PERF117 Dramaturgy B	Spring	6	200-Level	
Subjects	Session	Credit Points																															
100-Level																																	
PERF102 Studio Practice A	Autumn	6																															
PERF103 Studio Practice B	Spring	6																															
PERF120 Performance Skills A	Autumn	6																															
PERF121 Performance Skills B	Spring	6																															
Plus 12 credit points of Theory:																																	
PERF116 Dramaturgy A	Autumn	6																															
PERF117 Dramaturgy B	Spring	6																															
200-Level																																	
Science																																	

PERF202	Studio Practice C	Autumn	6
PERF203	Studio Practice D	Spring	6
PERF220	Performance Skills C	Autumn	6
PERF221	Performance Skills D	Spring	6
Plus 12 credit points of Theory			
PERF216	Dramaturgy C	Autumn	6
PERF217	Dramaturgy D	Spring	6
300-Level			
PERF302	Studio Practice E	Autumn	6
PERF303	Studio Practice F	Spring	6
PERF320	Performance Skills E	Autumn	6
PERF321	Performance Skills F	Spring	6
Plus 12 credit points of Theory			
PERF316	Dramaturgy E	Autumn	6
PERF317	Dramaturgy F	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100- level. Electives may be selected from the general schedule and might include CREA102 and CREA202.

Sound – Composition and Music Production

UAC Code: 75406

This major explores composition and production of music and sound, in particular through the use of digital technologies. It is suitable for students from a traditional music background, as well as those who have developed an interest in sound design and music composition through computer-based technologies.

Student's creativity will be extended through studies in:

- theory of sound (acoustics)
- composition (electronic media/ improvisational and traditional)
- computer music applications
- critical listening skills
- audio/visual media

Classes addressing all aspects of sound studies will give students the opportunity to interact with their peers and visiting professional sound artists.

Specific Entry Requirements

Applicants need to present original examples of their work (scores and recordings).

Major Study Program

Subjects		Session	Credit Points
100-Level			
SCMP101	Investigations in Sound 1: Creative Projects 1	Autumn	6
SCMP102	Investigations in Sound 2: Creative Projects 2	Spring	6
SCMP121	Sound Studies 1: Improvisation	Autumn	6
SCMP122	Sound Studies 2: Improvisation	Spring	6
Plus 12 credit points of Theory			
SCMP111	Issues in Sound: Notation 1	Autumn	6
SCMP112	Issues in Sound 2: Acoustics	Spring	6
200-Level			
SCMP201	Investigations in Sound 3: Creative Projects 3	Autumn	6
SCMP202	Investigations in Sound 4: Creative Projects 4	Spring	6
SCMP221	Sound Studies 3: Historical Studies 1	Autumn	6
SCMP222	Sound Studies 4: Historical Studies 2	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Plus 12 credit points of Theory		
	SCMP211	Issues in Sound 3: Computer Music 1	Autumn 6
	SCMP212	Issues in Sound 4: Audio/Visual Composition	Spring 6
	300-Level		
	SCMP301	Investigations in Sound 5: Creative Projects 5	Autumn 6
Commerce	SCMP302	Investigations in Sound 6: Creative Projects 6	Spring 6
	SCMP321	Sound Studies 5: Professional Practice 1	Autumn 6
	SCMP322	Sound Studies 6: Professional Practice 2	Spring 6
	Plus 12 credit points of Theory		
	SCMP311	Issues in Sound 5: Computer Music 5	Autumn 6
Creative Arts	SCMP312	Issues in Sound 6: Recording Industry Studies	Spring 6
	Electives		
	Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100- level. Electives may be selected from the general schedule and might include CREA102 and CREA202.		
	Visual Arts		
	UAC Code: 754605		
Education	This major is based on studio practice and related theory and history studies. The studio processes cover textiles, painting and sculpture – with support studies in curatorial practice, photography, video, printmaking, installation and digital image making. Student work is shown throughout the year in one of the gallery spaces in the Faculty.		
Engineering	In first year, studio subjects introduce students to a range of media and processes. Studio skills are taught, and a critical approach to their use is fostered in weekly seminars which explore the histories of each art and craft discipline. In second year, studio subjects build on these basic techniques and skills. Increased emphasis is placed on the students' ability to achieve independence in ideas, technical skills and work practices. Students are encouraged to contextualise their artwork in contemporary practice by developing research processes, attending exhibitions and participating in the wider artistic community. In third year studio subjects, students are expected to explore and develop personal themes and ideas to a greater depth. Professional practice as a visual artist is introduced. This includes skills in visual presentation appropriate to the medium, gallery practice and compiling a professional portfolio. The focus is on the completion of a body of work for exhibition in the final year graduating exhibition.		
Health & Behavioural Sciences	In first year students are given a foundation in Introduction to Theories of Visual Culture and Perspectives on Modernism, as a background to their second year of study in Early Visual Arts and Design in Australia, and The Artist in Contemporary Culture. By third year, the focus turns to Australian Indigenous Art and Visual Culture, and Representation and Space in the Post Colonial World.		
Informatics	An end of year exhibition of final session work is held in one or more of the faculty galleries.		
	Specific Entry Requirements		
	Applicants are asked to submit a set of photographs of six or more of their most recent artworks. If selected for an interview, applicants must bring a full portfolio of their work. Original work is required.		
	Major Study Program		
	Subjects	Session	Credit Points
Law	100-Level		
	VISA101	Visual Investigations A	Autumn 6
	VISA102	Visual Investigations B	Spring 6
	VISA103	Introduction to Visual Arts Studio A	Autumn 6
	VISA104	Introduction to Visual Arts Studio B	Spring 6
Science	Plus 12 credit points of Theory		
	VISA121	Introduction to Theories of Visual Culture	Autumn 6
	VISA122	Perspectives on Modernism	Autumn 6
	200-Level		
	VISA201	Visual Investigations C	Autumn 6
	VISA202	Visual Investigations D	Spring 6
	VISA203	Visual Arts Studio C	Autumn 6
	VISA204	Visual Arts Studio D	Spring 6

Plus 12 credit points of Theory

VISA221	Ideas in practice: Visual Arts and Design in Australia	Autumn	6
VISA222	The Artist in Contemporary Culture	Spring	6
300-Level			
VISA301	Visual Investigations E	Autumn	6
VISA302	Visual Investigations F	Spring	6
VISA303	Advanced Visual Arts Studio E	Autumn	6
VISA304	Advanced Visual Arts Studio F	Spring	6

Plus 12 credit points of Theory

VISA321	Introduction to Indigenous Art and Visual Culture	Autumn	6
VISA322	Representation and Space in the Post Colonial World	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100- level.

Graphic Design

UAC Code: 754602

This major combines Visual Arts and design theory with laboratory production components. Students are introduced to a range of graphic and digital imaging techniques and practices across a number of conceptual and industry contexts including graphic design, web, and interactive multimedia design. The major encourages an interdisciplinary approach to the study and practice of creative print and screen-based design. Student work is shown throughout the year in one of five gallery spaces in the Faculty.

The first year of the course covers both an introduction to graphic design and to theories of visual and graphic arts. Students are encouraged to carry out research on historical and contemporary designers and cultural trends, and then experiment with a range of production techniques, computer software and hardware skills and creative solutions. Students gain a solid grounding in visual art methods of drawing and constructing images, both analogue and digital.

Throughout the second year, specific subjects in typography, campaign graphics and editorial design, web design and design theory are introduced to the course. Students will be more independent in their motivations and research focus. Increasingly, student projects are concerned with real clients and job briefs. Theory and production subjects run in parallel throughout the year.

In year three, advanced design theory and production subjects introduce the student to professional practice methods and techniques. The emphasis is on developing a range of critical and practical skills in the rapidly expanding fields of graphic and digital design. Interactive multimedia and new media theory form a focus for end of degree students. Major projects are developed for real clients. An end of year exhibition of final session work is held in one or more of the Faculty galleries. An on-line gallery is also available for students to show their work.

Specific Entry Requirements

Applicants are asked to submit a set of six photographs or prints that show examples of approaches to at least three of the following design categories: web page design, interactive multimedia, poster design (photo or paper collage is acceptable), book/music CD cover design (pencil, water colour or gouache paint is acceptable), logo design (pen and ink or rubdown lettering is acceptable), T-shirt design using screen print, advertising design using photography or editorial illustration (hand or digital). If selected for an interview, applicants must bring a full portfolio of their work. Original work is required.

Major Study Program

Subjects		Session	Credit Points
100-Level			
DESN101	Introduction to Graphic Design	Autumn	6
DESN102	Design for Visual Communications	Spring	6
VISA101	Visual Investigations A	Autumn	6
VISA102	Visual Investigations B	Spring	6
Plus 12 credit points of theory:			
VISA121	Introduction to Theories of Visual Culture	Autumn	6
VISA122	Perspectives on Modernism	Spring	6
200-Level			

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	DESN201	Typography, Type Design and Editorial Illustration	Autumn	6
	DESN202	Publication Design: Image and Text	Spring	6
	DESN211	Introduction to Web Design	Autumn	6
	DESN212	Advanced Web design	Spring	6
	Plus 12 credit points of Theory			
Commerce	VISA221	Ideas in Practice: Visual Arts and Design in Australia	Autumn	6
	DESN222	Design Theory	Spring	6
	300-Level			
	DESN301	Commercial Graphic Design Practice A	Autumn	6
	DESN302	Commercial Graphic Design Practice B	Spring	6
Creative Arts	DESN311	Interactive Multimedia Design	Autumn	6
	DESN312	Advanced Design Project	Spring	6
	Plus 12 credit points of Theory			
	DESN321	New Media Theory	Autumn	6
	DESN322	Advanced Design Project	Spring	6
Electives				
Education	Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100 level.			
	Visual Arts and Graphic Design			
	UAC Code: 754607			
	This fully prescribed major of 144 credit points is designed for those who have strong interests in both visual arts practice and in aspects of graphic design. It allows visual artists who wish to broaden their career options, to develop skills that have commercial application. The graphic design emphasis in this major is towards design for print media, using both manual and digital technologies. Studio subjects are supported by design theory and visual arts theory subjects.			
	Specific Entry Requirements			
Engineering	Refer to the specific entry requirements for Visual Arts and also for Graphic Design and New Media.			
	Major Study Program			
Health & Behavioural Sciences	Subjects		Session	Credit Points
	100-Level			
	VISA101	Visual Investigations A	Autumn	6
	VISA103	Introduction to Visual Arts Studio A	Autumn	6
	VISA121	Introduction to Theories of Visual Culture	Autumn	6
Informatics	DESN101	Introduction to Graphic Design	Autumn	6
	VISA102	Visual Investigations B	Spring	6
	VISA104	Introduction to Visual Arts Studio B	Spring	6
	DESN102	Design for Visual Communication	Spring	6
	VISA122	Perspectives on Modernism	Spring	6
Law	200-Level			
	VISA203	Visual Arts Studio C	Autumn	6
	VISA221	Ideas in Practice: Visual Arts and Design in Australia	Autumn	6
	DESN201	Typography, Type Design and Editorial Illustration	Autumn	6
	VISA201	Visual Investigations C	Autumn	6
Science	OR			
	DESN211	Introduction to Web Design	Autumn	6
	VISA204	Visual Arts Studio D	Spring	6
	VISA222	The Artist in Contemporary Culture	Spring	6
	DESN202	Publication Design: Image and Text	Spring	6
	DESN222	Design Theory	Spring	6
	300-Level			

VISA303	Advanced Visual Arts Studio E	Autumn	6
VISA321	Introduction to Indigenous Art and Visual Culture	Autumn	6
DESN301	Commercial Graphic Design Practice A	Autumn	6
DESN321	New Media Theory	Autumn	6
VISA304	Advanced Vis Arts Studio F	Spring	6
VISA322	Representation and Space in the Post Colonial World	Spring	6
DESN302	Commercial Graphic Design Practice B	Spring	6
OR			
DESN312	Advanced Design Project	Spring	6
Plus			
VISA302	Visual Investigations F	Spring	6
Or			
VISA350	Curatorial Practice	Spring	6
Or			
DESN390	Experimental Digital Art	Spring	6

Media Arts

UAC Code: 754608

Media Arts explores the contemporary field of experimental media practice that links traditional media production to emerging tendencies in creative computing. This major will provide skills, understanding and experience in this exciting new field of creative practice. The first year establishes a foundation in media and computation. The second year focuses on digital cinema and approaches to interaction (in games, networked media and electronic installation). The final year has a professional project-based emphasis. Students research and produce portfolio work in a specialised field of Media Arts Practice.

Specific Entry Requirements

Refer to the specific entry requirements for Visual Arts and also for Graphic Design and New Media.

Major Study Program

Subjects	Session	Credit Points
100-Level		
MEDA101	Introduction to Media Arts	Autumn 6
VISA101	Visual Investigations A	Autumn 6
MEDA102	Computational Media	Spring 6
VISA102	Visual Investigations B	Spring 6
Plus 12 credit points of Theory		
VISA121	Introduction to Theories of Visual Culture	Autumn 6
VISA122	Perspectives on Modernism	Spring 6
200-Level		
MEDA201	Time, Space & Data	Autumn 6
VISA201	Visual Investigations C	Autumn 6
MEDA202	System, Play & Interaction	Spring 6
VISA202	Visual Arts Studio D	Spring 6
Plus 12 credit points of Theory		
VISA221	Ideas in Practice: Visual Arts and Design in Australia	Autumn 6
VISA222	The Artist in Contemporary Culture	Spring 6
or		
DESN222	Design Theory	Spring
300-Level		
MEDA301	Media Arts Workshop	Autumn 6
VISA301	Visual Investigations E	Autumn 6
MEDA302	Media Arts Project	Spring 6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	VISA302	Visual Investigations F	Spring	6
	Plus 12 credit points of Theory			
	DESN321	New Media Theory	Autumn	6
	VISA322	Representation and Space in the Post Colonial World	Spring	6
	Or			
	DESN322	Advanced Design Theory	Spring	6

Bachelor of Creative Arts (Dean's Scholars)

Testamur Title of Degree:	Bachelor of Creative Arts (Dean's Scholars)
Abbreviation:	BCA
Home Faculty:	Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	840A
UAC Code	754610
CRICOS Code:	001709K

Overview

The Dean's Scholars Program is designed with a high level of individual flexibility allowing students to mix programs of study drawn from any two major areas within the Bachelor of Creative Arts degree. Students who achieve high audition/ interview attainments in at least two areas of study (Creative Writing, Performance, Sound and Music Production, Visual Arts, Graphic Design, Media Arts) together with a UAI of 90+ are eligible for the program. To remain in the course, students must complete each year of study with a Distinction average (WAM75).

Entry Requirements

Applicants must be prepared to demonstrate their ability (in both theory and artistic practice) to meet the criteria for two proposed majors as determined by interview or audition. No applications (whether made via the UAC or directly to UOW) will be considered unless the student has completed and submitted a Creative Arts application for Interview/ Audition by 30 September, 2007. A late application fee of \$50 will apply for applications submitted after the closing date. Portfolio and/or audition requirements for each major area of study are set out above.

Bachelor of Creative Arts (Honours)

Testamur Title of Degree:	Bachelor of Creative Arts (Honours)
Abbreviation:	BCA(Hons)
Home Faculty:	Creative Arts
Duration:	1 year full-time or two years part-time
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	843
CRICOS Code:	006983G

Overview

Students who have fulfilled the requirements of a Bachelor of Creative Arts and achieved a distinction average may apply to undertake an Honours degree in their major area of study.

The Honours program is an end-on degree in Creative Arts and provides an opportunity for candidates to develop, to a sophisticated level, established theoretical and practical skills gained during their undergraduate course. In the BCA (Hons) course, the student is given close supervision of both a research topic and a creative presentation. In addition, a weekly research methodology seminar in Autumn Session provides training in advanced research skills specific to disciplines with the creative arts. The course thus provides a pathway to higher research degrees at masters and doctoral levels.

Entry Requirements

Students may apply to enrol in an Honours degree after the requirements of the pass degree have been fulfilled at the prescribed academic standard. Usually a distinction average in practical and theory subjects is required. Admission to Honours is by recommendation of the relevant head of the discipline and approval by the Dean or Sub-Dean of the Faculty, as well as acceptance by an academic supervisor in the discipline.

Students proceeding directly from a 3-year degree to Honours usually do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass Degree and then decide to undertake Honours at a later date – either at University of Wollongong or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Program

Subjects		Session	Credit Points
CREA401	Minor Thesis in Creative Arts	Annual	24
CREA402	Creative Arts Presentation	Annual	24

Bachelor of Communication and Media Studies - Bachelor of Creative Arts

Testamur Title Of Degree:	Bachelor of Communication and Media Studies – Bachelor of Creative Arts
Abbreviation:	BCM-BCA
Home Faculty:	Faculty of Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	796
UAC Code	751352
CRICOS Code:	049642F

Overview

In Creative Arts, students take extensive studies in a discipline area. The BCM adds an opportunity to broaden the focus, to acquire skills outside the main areas of the degree and thereby increase its marketability. The core of the BCM deals with contemporary issues in politics, communication studies and media, giving students a broad grounding in which to situate their major study.

Entry Requirements

See requirements for separate degrees.

Course Requirements

To qualify for the award of the Bachelor of Communication and Media Studies – Bachelor of Creative Arts, a candidate must:

- complete a major in the BCA comprising 108 credit points of core subjects;
- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree;

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

- complete not more than 90 credit points at 100-level;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Creative Arts, the Bachelor of Communication and Media Studies or the General Schedule, to ensure that at least 216 credit points have been completed.

Major Study

Students must take one major from each degree program.

Majors in the Bachelor of Communication and Media Studies:

For details of the major studies, refer to the Bachelor of Communication and Media Studies (single degree entry) in the Arts section of the Handbook.

- Advertising and Marketing
- Journalism
- Media Technology Studies
- Screen Studies

Majors in the Bachelor of Creative Arts:

For details of the major studies, refer to the Bachelor of Creative Arts (single degree entry).

Honours

A Bachelor of Creative Arts (Honours) degree requires additional study, and may be undertaken by students who meet the requirements for enrolment in Honours. Students should consult the single degree Bachelor of Creative Arts entry for Honours requirements.

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts - Bachelor of Arts

Testamur Title of Degree:	Bachelor of Creative Arts - Bachelor of Arts
Abbreviation:	BCA-BA
Home Faculty:	Creative Arts
Duration:	At least 4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	720
UAC Code:	751501
CRICOS Code:	028395A

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Arts.

Entry Requirements

See requirements for separate degrees.

Course Requirements

Students are required to complete:

- a major in the BCA comprising 108 credit points of core subjects;
- the subjects prescribed for one of the majors in the BA degree (this will include one major study taught by a member unit of the Faculty of Arts (including Aboriginal Studies) or a major in Psychology or Population Health); and
- sufficient elective credit points to ensure a total of 216 credit points is completed.

- Students must consult both the Faculty of Creative Arts and the Faculty of Arts academic advisors about selecting appropriate subjects.

Honours

Students who complete the double degree to the required academic standard in the relevant major are eligible to apply for either BCA (Honours) or BA (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts - Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Creative Arts – Bachelor of Commerce
Abbreviation:	BCA-BCom
Home Faculty:	Creative Arts
Duration:	At least 4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	709
UAC Code:	751502
CRICOS Code:	028396M

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Commerce.

Entry Requirements

See requirements for separate degrees.

Course Requirements

Students must consult both the Faculty of Creative Arts and the Faculty of Commerce academic advisers about selecting appropriate subjects.

Students are required to complete:

- a major in the BCA comprising 108 credit points of core subjects;
- a major sequence in the other Faculty as prescribed by that Faculty; and
- sufficient elective credit points to ensure a total of 216 credit points is completed.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible to apply for either BCA (Honours) or BCom (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Creative Arts - Bachelor of Science

Testamur Title of Degree:	Bachelor of Creative Arts – Bachelor of Science
Abbreviation:	BCA-BSc
Home Faculty:	Creative Arts
Duration:	At least 4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	845
UAC Code:	751504
CRICOS Code:	031167J

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Science.

Entry Requirements

See requirements for separate degrees.

Course Requirements

Students must consult both the Faculty of Creative Arts and the Faculty of Science academic advisers about selecting appropriate subjects.

Students are required to complete:

- a major in the BCA comprising 108 credit points of core subjects;
- a major sequence in the other Faculty as prescribed by that Faculty; and
- sufficient elective credit points to ensure a total of 216 credit points is completed.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible to apply for either BCA (Honours) or BSc (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts - Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Creative Arts – Bachelor of Computer Science
Abbreviation:	BCA-BCompSc
Home Faculty:	Creative Arts
Duration:	At least 4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	844
UAC Code:	751503
CRICOS Code:	031166K

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Computer Science.

Entry Requirements

See requirements for separate degrees.

Course Requirements

Students must consult both the Faculty of Creative Arts and the Faculty of Informatics academic advisers about selecting appropriate subjects.

Students are required to complete:

- a major in the BCA comprising 108 credit points of core subjects;
- a major sequence in the other faculty as prescribed by that Faculty; and
- sufficient elective credit points to ensure a total of 216 credit points is completed.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible to apply for either BCA (Honours) or BCompSc (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts - Bachelor of Laws

Refer to Faculty of Law section of Handbook.

Bachelor of Journalism

Testamur Title of Degree:	Bachelor of Journalism
Abbreviation:	BJ
Home Faculty:	Faculty of Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	852
UAC Codes:	754700
CRICOS Code:	058983K

Overview

The Bachelor of Journalism is a three-year full-time course that caters for the needs of student planning a career in journalism or a related field. The course has been designed to provide students with a range of skills that will enable them to work in print, broadcast or online media.

Entry Requirements

Acceptance into the Bachelor of Journalism degree is based upon:

- application/written submission which needs to be submitted by 30 September, 2007;
- entry examination (normally held in late November)
- UAI results

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Advanced Standing

Students seeking advanced standing are advised to contact the School of Journalism and Creative Writing office for further details.

Course Requirements

The BJ degree requires 3 years of full-time study or part-time equivalent and the completion of subjects to the value of 144 credit points.

Students enrolling in the BJ are required to:

- complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream;*
- undertake a 36 credit points series of subjects in a discipline other than Journalism. Of the 36 credit points, not more than 18 may be taken at 100 level and at least 6 must be taken at each of 200 and 300 levels;*
- ensure that at least 144 credit points have been completed.

*Exception: Students who will graduate with a 54 credit point Minor study in Science will be exempted from the three journalism electives.

**Exception: The Faculties of Creative Arts and Science have agreed that students may include a 54 credit point Minor in Science instead of the 36 credit point non-Journalism discipline study.

The Science Minor will consist of 54 credit points in the Science Schedule and/or physics subjects from the Engineering Schedule including: 12-18 credit points at 100-level, 12-18 credit points at 200-level and 24 credit points at 300-level.

Bachelor of Journalism - Bachelor of Arts

Testamur Title of Degree:	Bachelor of Journalism – Bachelor of Arts
Abbreviation:	BJ-BA
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	853 (Faculty of Arts majors), 853_1 (Faculty of Health & Behavioural Science majors)
UAC Code:	751660
CRICOS Code:	058984J

Overview

The Bachelor of Journalism – Bachelor of Arts will provide a way for Arts students wanting careers in journalism to gain necessary skills and to complement them with studies in Arts and Communication and Media.

Course Requirements

See requirements for separate degrees. Students are required to:

- complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream;
- complete at least 108 credit points from the course structures of the Bachelor of Arts in the Faculty of Arts including the requirements of one major study offered by a member unit of the Faculty of Arts*;
- complete not more than 90 credit points at 100-level;
- ensure that at least 216 credit points have been completed.

*Exception: Students majoring in Psychology or Population Health in Arts double degree programs will complete the subjects prescribed for those majors in the course structures of Bachelor of Arts offered by the Faculty of Health and Behavioural Sciences (course code 708) and will be permitted to choose any electives necessary to achieve the 108 credit point total from the Course Structures of those majors. Those majors will stand as single majors in the BJ-BA as in other double degrees with the Bachelor of Arts.

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Commerce
Abbreviation:	BJ-BCom
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	854
UAC Code:	751661
CRICOS Code:	058985G

Overview

The Bachelor of Journalism - Bachelor of Commerce will promote the Commerce faculty's objective of integrating its disciplines to produce graduates better able to perform in the employment market. Students combining Commerce and Journalism will be able to use their journalism skills – analytical skills, computer skills and project management skills – and their projects in journalism, to integrate their Commerce disciplines.

Course Requirements

See requirements for separate degrees. Students are required to:

- complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream;
- complete subjects from the Commerce Schedule, including core subjects, and subjects to satisfy the requirements of one of the Commerce majors;
- complete not more than 90 credit points at 100-level;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Journalism, the Bachelor of Commerce or the General Schedule to ensure that at least 216 credit points have been completed.

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Communication and Media Studies

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Communication and Media Studies
Abbreviation:	BJ-BCM
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	855
UAC Code:	751664
CRICOS Code:	058986G

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Overview

The Bachelor of Journalism - Bachelor of Communication and Media Studies will provide a way for students wanting careers in journalism to gain necessary skills and to complement them with studies in Communication and Media.

Course Requirements

See requirements for separate degrees. Students are required to:

- complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream;
- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major streams in that degree;
- complete not more than 90 credit points at 100-level;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Journalism, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

Note: Students in the Bachelor of Journalism - Bachelor of Communication and Media Studies may not take the Journalism stream in the BCM component of the degree.

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Creative Arts

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Creative Arts
Abbreviation:	BJ-BCA
Home Faculty:	Creative Arts
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	856
UAC Code:	751662
CRICOS Code:	058987F

Overview

Bachelor of Journalism - Bachelor of Creative Arts double degrees will allow students to sharpen the career focus of their studies in Creative Writing, Graphic Design, Media Arts, Visual Arts, Performance or Sound. The addition of undergraduate journalism degrees will facilitate connections with the media industry, both through the journalism internships each student must undertake at 300-level and through the Journalism Advisory Group composed of academic journalists and industry professionals. The strong career focus of the degrees will embed the Faculty's Teaching and Learning objective: 'To promote student publishing and career opportunities at undergraduate ... level' and create a cohort of students from which the Faculty could draw postgraduate journalism students.

Course Requirements

See requirements for separate degrees. Students are required to:

- complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream;
- complete a major study from the Bachelor of Creative Arts comprising 108 credit points of compulsory subjects as listed in the Course Structures of the Bachelor of Creative Arts;
- complete not more than 90 credit points at 100-level.

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Engineering

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Engineering
Abbreviation:	BJ-BE
Home Faculty:	Creative Arts
Duration:	5.5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	857
UAC Code:	751665
CRICOS Code:	058988E

Overview

The strategic advantages of combining a degree in Journalism with an Engineering degree can be seen from the Dean's description of his faculty's graduates:

'UOW Faculty of Engineering graduates are not only involved in a wide range of exciting technical projects; they can also run the organisations in which they work. They are problem solvers; they manage projects, people and finances. They are building a sustainable future.

As a student and potential engineer, you will be broadly educated so you can adapt to the many changes that will take place during your career.' (Welcome to Engineering: A Message from the Dean of Engineering, Faculty of Engineering Home page www.uow.edu.au/eng/about/welcome.html)

Adding journalism adds flexibility, it adds skills, it adds another dimension to the student's employment portfolio.

Course Requirements

See requirements for separate degrees. Students are required to:

- complete at least 90 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects and subjects required for one Specialist Stream;*
- complete a total of 174 credit points of Engineering subjects taken from the following:

Bachelor of Engineering – Core Subjects

plus the subjects leading to one of the Engineering degrees:

Bachelor of Engineering – Civil Engineering

Bachelor of Engineering – Environmental Engineering

Bachelor of Engineering – Materials Engineering

Bachelor of Engineering – Mechanical Engineering

Bachelor of Engineering – Mechatronics

Bachelor of Engineering – Mining Engineering

- complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.
- ensure that at least 264 credit points have been completed.

All students must discuss their Engineering program with the relevant Sub Dean.

*Note: Students of the Bachelor of Journalism - Bachelor of Engineering will be exempted from the three journalism electives normally required in the Bachelor of Journalism.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Laws
Abbreviation:	BJ-LLB
Home Faculty:	Creative Arts
Duration:	5 years full-time or part-time equivalent *
Total Credit Points:	270
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	858
UAC Code:	751211
CRICOS Code:	058981A

* A student can extend the length of the course and reduce the subject load in some years by postponing electives. In some cases the need to satisfy prerequisites may extend the course beyond the minimum length.

Overview

A double degree in Journalism and Law will provide students with an expanded skill set – one that will set them apart from students who opt for a single degree option in either Faculty. This is not to say that single degree students will be precluded from jobs on the basis of their qualifications. UOW's reputation for quality teaching provides graduates with a strong advantage, but the double degree provides graduates with a wider range of options.

Course Requirements

See requirements for separate degrees. To qualify for the award of the Bachelor of Journalism – Bachelor of Laws, a candidate must complete total of at least 270 credit points including each of the following:

- at least 90 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, and subjects required for one Specialist Stream*;
- all compulsory Law subjects in the sequence prescribed in the relevant Course Program;
- elective subjects to the value of 40 credit points from the LLB Elective Law Schedule.

To be eligible for the award of LLB Honours (calculated in accordance with method 4), a candidate must complete LLB313.

To be eligible for the award of LLB (Honours by Research) a candidate must complete LLB448 Research Honours in Law. The Honours grade will be calculated in accordance with method 1.

*Note: Students of the Bachelor of Journalism – Bachelor of Laws will be exempted from the three Journalism electives normally required in the Bachelor of Journalism.

Other Information

Refer to Faculty of Law section of Handbook.

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Science

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Science
Abbreviation:	BJ-BSc
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	859 (Faculty of Science majors) 859_1 (Faculty of Health & Behavioural Sciences majors)
UAC Code:	751663
CRICOS Code:	058982M

Overview

The Bachelor of Journalism - Bachelor of Science double degree recognises the importance of scientific discoveries to society and the important role the media perform in highlighting and explaining the significance of those discoveries or developments. The decision to offer a double degree option with Science also acknowledges the fact that there are employment opportunities in the mainstream media for people who have skills in scientific disciplines. Finally, it acknowledges that scientists may be looking to improve their writing and presentational skills so that they can more effectively present their research in specialist and generalist publications.

Course Requirements

See requirements for separate degrees. Students are required to:

- complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream;
- complete one Major from the Faculty of Science (i.e. at least 90 credit points from the Science Schedule of which at least 60 credit points are from one of the Faculty of Science disciplines: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences) OR the Physics major from the Faculty of Engineering (see entry for the Bachelor of Science (Physics)).
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Journalism, the Science and/or Engineering Physics Schedule or the General Schedule to ensure that at least 216 credit points have been completed.

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

SUBJECT DESCRIPTIONS

CREA102 Professional Practices 1

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject provides an introduction to the Australian arts and cultural environment. Students will investigate a wide variety of issues including: defining the arts; the role and relevance of the arts in contemporary society; the practitioner and the community; the cultural and personal impact of arts practice; ways of being an artist; and employment and career paths in the arts. The subject will offer an overview of arts funding and policy, and examines the role of professional arts organisations. This subject will include a series of guest lectures by practicing artists and representative of various arts organisations.

CREA202 Professional Practices 2

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 36 credit points at 100 level

Co-requisites: None

Subject Description: This subject extends the study begun in CREA102 and pays detailed attention to the Australian arts and cultural environment at the regional and community level. Specific areas of study will include: arts policy and funding; community arts organisations and outcomes; arts education and practice; the role of the artist in sustaining and developing arts practice and innovation; career paths for the artist in education and/or community-based arts practice. This subject will involve a primary research project.

CREA401 Minor Thesis in Creative Arts

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: Entry to the Honours year shall be determined by the Honours Co-ordinator.

Co-requisites: CREA402

Subject Description: The presentation of a minor thesis in the area of a candidate's major study. Candidates shall select an appropriate Creative Arts topic for research, approved by the Head of School and the Honours Co-ordinator. Approval shall be subject to the availability of a member of staff with appropriate expertise to supervise and assess progress, and the accessibility of the relevant literature. Thesis work will normally include a critical survey of the available literature. Students will be required to work in close consultation with their supervisor. They will be required to attend a weekly Research Methods Seminar.

CREA402 Creative Arts Presentation

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: CREA401

Co-requisites: CREA401

Subject Description: The presentation of a major exhibition, performance, composition or written folio in the area of a candidate's major study completed in their undergraduate degree. A proposal outlining the proposed submission, its scope, methods of implementation and presentation shall be submitted for approval by the

Honours Co-ordinator. Approval is subject to staff availability for supervision and assessment, and the accessibility of relevant resources. Students will be required to work in close consultation with their supervisor.

DESN101 Introduction to Graphic Design

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Folio/Interview

Co-requisites: VISA121

Exclusions: DESN190

Subject Description: The subject introduces students to graphic design history and the principles and elements of design. Introductory level digital page design, image scanning and image editing for printed media. Emphasis is given to design fundamentals, computer literacy and formal composition.

DESN102 Design for Visual Communications

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: DESN101

Co-requisites: VISA122 and VISA102

Subject Description: This subject examines the design and function of visual identity, logo brands, logotype, information and signage systems and their application to corporate identity and style guides. Emphasis is given to the study of the grammar of graphic design, computer literacy in visual and graphic software and problem solving.

DESN108 Screen Production A: Documentary

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Documentary. Aims to familiarise students with the fundamentals of the language of the screen and to examine how these stylistic techniques shape meaning and guide audience expectations and responses. Students will be provided with basic theoretical and practical knowledge of single camera video production. Practical assignments provide experience in the operation of camera and editing equipment and working in a production crew environment. Project focus is on producing a short documentary.

DESN129 Creative Industries – Design for Interactive Multimedia

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Through a survey of historical and contemporary case studies this subject examines the partnership between creative innovation and commercial application. Within a framework of weekly lectures students will be required to undertake case study research into interactive multimedia and Internet design.

DESN190 Introduction to Digital Imagemaking

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with DES101

Subject Description: DESN190 INTRODUCTION TO DIGITAL IMAGEMAKING. This subject introduces students to visual design fundamentals: composition, colour, line and type and the application of these fundamentals and design techniques in digital imagemaking. Students will use Adobe Photoshop and Adobe Illustrator to create their work.

DESN201 Typography, Type Design and Editorial Illustration

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: DESN102

Co-requisites: VISA221

Subject Description: This unit introduces creative typography, type design and editorial illustration, and their function in graphic design. This subject examines the history of typography and illustration and looks at current trends in their application.

DESN202 Publication Design: Image and Text

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: DESN201 or DES201

Co-requisites: DESN222 or DES222

Subject Description: This subject examines the use of imagery and type in editorial design for print media. Students will work in teams based on the roles within contemporary design practice and will be encouraged to investigate the design-for-print industry. Class communication in this course will be conducted via WebCT.

DESN211 Introduction to Web Design

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: DESN102 or DESN290

Co-requisites: None

Subject Description: This unit explores design concepts and industry issues surrounding interactive design and project production. This focus is on generating innovative design strategies and solutions within an industry best practice context.

DESN212 Advanced Web Design

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: DESN211 or DES211

Co-requisites: None

Subject Description: This subject provides students with further critical, conceptual and practical understanding of world wide web design principles. It teaches a range of technical and conceptual skills needed by the world wide web designer for entry into the industry, including industry best practice. Topics to be covered include interface, interactive and information design. Emphasis will be placed on achieving design excellence and developing innovative project responses.

DESN222 Design Theory

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA221 or VIS 221

Co-requisites: None

Subject Description: This subject introduces students to theories and critical writings on design and visual communication in western society. The course covers issues in modernism through critical studies of film and animation. It considers issues of audience response, magazine design, fashion, and the influence of formalist and minimalist theories of Late Modernist design in the second half of the twentieth century.

DESN290 Introduction to Graphic Design Fundamentals

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 credit points at 100 level

Co-requisites: None

Exclusions: not to count with DESN190 or DESN101

Subject Description: Introduces students to the historical, theoretical and fundamental principles of graphic design. This subject will explore formal composition principals, application of type and image, and approaches to digital layout. Students will be encouraged to explore creative and innovative design solutions to project briefs, and develop fundamental computer literacy.

DESN291 Creative Industries – Design for Interactive Multimedia

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24 credit points at 100 level

Co-requisites: None

Exclusions: DESN101

Subject Description: Introduces students to the historical, theoretical and fundamental principles of graphic design. Introductory level digital layout, digital image scanning and editing techniques will be explored. Emphasis is given to developing creative and innovative design solutions to project briefs.

DESN301 Commercial Graphic Design Practice A

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: DESN202

Co-requisites: DESN321

Subject Description: This unit uses a Design Studio Team model, with students assigned the roles which operate within a design studio. Students are assigned commercial job briefs under the art direction of the lecturer. Clients are selected by the lecturer and students are expected to work within publishing budgets and meet strict production deadlines. Students undertaking this subject will be required to work additional hours outside the subject timetable in order to undertake liaison with clients and coordinate services of commercial printers, pre-press, copywriting and photographic and other production services. Class and group communication in their subject will be conducted, in part, via Web CT.

DESN302 Commercial Graphic Design Practice B

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: DESN301 or DES 301

Co-requisites: DESN322 or DES 322

Subject Description: DESN302 COMMERCIAL GRAPHIC DESIGN PRACTICE B. This unit focuses

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	<p>on building a professional design profile. Students may opt to undertake a major role in the Graduate Exhibition. Students will be required to nominate which option they intend to take and to develop the selected option in consultation with their tutor.</p> <hr/> <p>DESN311 Interactive Multimedia Design Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: DESN212 and DESN202 Co-requisites: DESN301 or DESN321 Subject Description: This unit explores issues surrounding interactive design, motion graphics and project production. This focus is on generating innovative design strategies and solutions within an industry best practice context.</p> <hr/> <p>DESN312 Advanced Design Project Spring Wollongong On Campus Credit Points: 6 Pre-requisites: DESN311 or DES 311 Co-requisites: DESN302 or DESN322 Subject Description: This unit is an advanced level of print and interactive multimedia design and production. The focus is on a self-directed design project that encapsulates the design process and final product development. This unit aims to challenge students to produce a high-level design product that demonstrates the student's abilities in design direction, management and execution.</p> <hr/> <p>DESN321 New Media Theory Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: DESN222 or DES 222 Co-requisites: None Subject Description: This unit introduces students to theories of new media design from analogue to digital (including web and interactive multimedia). Students are directed toward historical and current critical thinking and research resources. Topics covered include: the genealogy of key analogue and digital imaging theories; philosophical influences and analytical methods for investigating new media design product in their social, historical, cultural and political contexts; post-modernism and digital design; the impact of technological convergence on designing the post-human; digital animation and cinema; recent digital design movements and major theorists; critical writings on web design and multimedia design; and relationship of new media design to visual communications.</p> <hr/> <p>DESN322 Advanced Graphic Design Theory Spring Wollongong On Campus Credit Points: 6 Pre-requisites: DESN321 or DES 321 Co-requisites: None Subject Description: This unit expands on theories of design examined in previous semesters. Students are introduced to historical and current critical thinking and research resources. Topics covered include: historical trends, post-modernism and consumer design; fashion and subculture issues in design; globalisation and design; philosophical influences and analytical methods of investigating design products in their social, historical, cultural and political contexts; design movements, theorists and critical writings on design practice.</p>
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	<p>DESN390 Experimental Digital Art Spring Wollongong On Campus Credit Points: 6 Pre-requisites: DESN290 or DESN211 or VISA221 or SCMP211 Co-requisites: None Subject Description: This subject provides an introduction to experimental digital arts practice, with a focus upon developing relevant programming skills. Students gain an understanding of how media is digitally represented and how it can be created, manipulated and choreographed at the code level. This technical understanding is linked to vital contemporary aesthetic issues of system, permutation, interaction, immersion and emergence. This subject avoids positioning digital arts practice as a separate enclave. It explicitly seeks to open up a dialogue with forms of analogue creative practice, encouraging students to reflect upon their analogue practice via the digital (and vice versa), design movements, theorists and critical writings on design practice.</p> <hr/> <p>JOUR101 Introduction to Print News Writing Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: The subject focuses on a generic approach to reporting of straight news for the print media. Topics covered are considered in terms of media law and ethics, they are: summary leads; advanced leads; spot news reporting; reporting from news releases; and copy editing. Students submit one story each week on an assigned off-campus topic or based on information sheets handed out during tutorials. Tutorials will focus on news writing and remedial writing exercises, and copy editing. The subject has a final test, which examines students' ability to apply basic news writing techniques.</p> <hr/> <p>JOUR102 Journalism Law and Ethics Spring Wollongong On Campus Credit Points: 6 Pre-requisites: JOUR 101 Co-requisites: None Subject Description: This subject examines the legal and ethical frameworks which govern the work of journalists. It considers the nature, effectiveness and administration of media law and ethical codes relevant to journalism, particularly the Media Entertainment and Arts Alliance (MEAA) Code of Ethics and the Australian Press Council's Statement of Principles. Aspects of professional conduct and professional standards considered include guarding against defamation actions; libel laws; breach of privacy; confidentiality; protection of sources; standards of accuracy, anti terrorism legislation, fairness and balance in journalism.</p> <hr/> <p>JOUR111 Introduction to Journalism Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: JOUR 112 Exclusions: JOUR 101; JOUR 201 Subject Description: The subject builds on the companion subject JOUR 112. Where JOUR 112 begins by asking the question 'what is journalism?', JOUR 111 commences by asking the question: 'What is news?' This</p>

subject has a practical focus. Students are introduced to news values, the '5Ws and H' and the inverted pyramid approach to news writing. They are also introduced to fundamental news research and interviewing techniques. While the subject focuses on print news writing, students also receive introductory lectures covering the other media: radio, television, convergent media and blogging. Finally, students are encouraged to take pride in their work through an introduction to editing, ethics and the law – themes that are taken up in later subjects.

JOUR112 Theory Meets Practice

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: JOUR 111

Subject Description: The subject begins by posing a number of questions: What is journalism? And what is it that journalists actually do? It follows up with a discussion of media theory and then moves on to consider a number of questions about news practices. These include: gatekeeping, the socialisation of journalists, framing the news, media effects and writing styles. Workshops will use contemporary and historical case studies to contextualise these issues. Students will be expected to lead the discussion on at least one of the workshop topics.

JOUR113 Legal and Professional Issues for Journalists

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: JOUR 111, JOUR 112

Co-requisites: JOUR 114

Subject Description: This subject begins with a discussion about the foundations of Australia's legal system. The focus then turns to in-depth analysis of the legal land-mines journalists confront. These include contempt, defamation, nuisance, trespass, sedition, obscenity, freedom of information, copyright, broadcast laws and listening devices legislation. Students are also introduced to journalism ethics through a range of topics, including codes of conduct and other regulatory systems, truth and the fairness principle, objectivity and balance. They then discuss a range of ethical issues that can impact on their work as journalists, including deception and fakery, confidentiality of sources, and dealing with identified groups within the community.

JOUR114 Newsroom Practice (1)

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: JOUR 111; JOUR 112

Co-requisites: JOUR 113

Subject Description: This is the first of the compulsory newsroom subjects. Students will work in a newsroom environment producing stories under the guidance of a staff editor. They will operate within a hierarchical news environment and learn to work both independently and in teams. In this environment they will be expected to generate their own story ideas and contribute to editorial discussions. They will also be required to undertake stories allocated by the editor and designated student daily news editor. Students will take turns as news editor. In this position they will be expected to lead the daily editorial conference and take responsibility for managing the newsroom on their allocated day. As indicated

above, students rotate through a series of rounds that give them exposure to different forms of writing and research. While working on these rounds, they will be required to produce a range of campus-based stories. The emphasis will be on producing well-researched and balanced stories that help to inform the community.

JOUR201 Print Media Reporting

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: PHIL106 and either SOC110 or POL121 or any 36 cp WRIT subject (WAM of 75 or above)

Co-requisites: None

Subject Description: The subject focuses on a generic approach to reporting of straight news for the print media. Topics covered are considered in terms of media law and ethics, they are: summary leads; advanced leads; spot news reporting; reporting from news releases; and copy editing. Students submit one story each week on an assigned topic or based on information sheets handed out during tutorials. Tutorials will focus on news writing and remedial writing exercises, and copy editing. The subject has a final test, which examines students' ability to apply basic news writing techniques.

JOUR202 Feature Writing

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: JOUR201

Co-requisites: None

Subject Description: This subject focuses on story telling techniques for the print media, with consideration given to ethical and legal restraints. Topics covered include: feature story introductions; feature story structures; dialogue and characterisation; scene descriptions; feature length interviews; online and conventional research; developing concepts and marketing of stories. This subject does not have a final examination.

JOUR203 Journalism and Society

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: JOUR101 or JOUR201 or any 36 cp WRIT subject (WAM of 75 or above)

Co-requisites: None

Subject Description: This subject examines the social context of the news media, which connects the work of journalists to the society and culture they serve. The subject considers the rights and obligations, context and administration of journalism in respect to citizenship, as espoused in the ethical codes relevant to journalism, particularly the Media Entertainment and Arts Alliance (MEAA) Code of Ethics and the Australian Press Council's Statement of Principles. The subject will look at the role of journalism in explaining the key issues facing society.

JOUR204 Journalism Law and Ethics

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: JOUR101 or JOUR201

Co-requisites: None

Subject Description: This subject examines the legal and ethical frameworks which govern the work of journalists. It considers the nature, effectiveness and administration of media law and ethical codes relevant

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	to journalism, particularly the Media Entertainment and Arts Alliance (MEAA) Code of Ethics and the Australian Press Council's Statement of Principles. Aspects of professional conduct and professional standards considered include guarding against defamation actions; libel laws; breach of privacy; confidentiality; protection of sources; standards of accuracy; anti terrorism legislation, fairness and balance in journalism.
Commerce	JOUR210 Journalism: Investigation and Research Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: JOUR101 or JOUR201 and JOUR102 Co-requisites: None Subject Description: Students begin with an introductory lecture on the history of investigative journalism and its place in the present. This is followed by a series of practical lectures and workshops on a range of topics, including: using traditional resources to background stories, surfing the web for information, utilising the regulators (ASIC, ACCC, APRA etc), extracting information from government departments using FOI and other strategies. Having considered how and where to locate information, the subject then turns to interpreting it. Lectures and workshops introduce students to database journalism (using spreadsheets and other software packages to interrogate information), interpreting company reports and government budgets. Finally, students consider the legal and ethical issues that investigative journalism tends to generate, before considering how to present the often complex and detailed information they have located and interpreted in a way that makes sense to a general readership.
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	JOUR214 Newsroom Practice (2)- Feature Writing Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290 Co-requisites: JOUR210; DESN211 Subject Description: This is the second of the compulsory newsroom subjects. Students will work in the Journalism newsroom under the guidance of a staff editor. Each week students will be allocated editorial responsibilities, including News Editor and Chief of Staff. Students not allocated a managerial responsibility will be expected to work on their nominated tasks. All students will undertake a range of stories, including profiles, obituaries, features on current issues, commentaries, editorials, reviews, and advertorials. The emphasis will be on producing well-researched stories that help to inform the community.
Informatics	
Law	JOUR215 Convergent Journalism (1) <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290 Co-requisites: JOUR210; DESN211 Subject Description: This subject introduces students to the notion of convergent journalism. Students begin by exploring changes in journalism inspired by the development of the World Wide Web and other technologies. In the first part of the semester they will
Science	

be introduced to broadcast writing and speaking – a style that differs fundamentally from print news writing. Students will also be introduced to broadcast techniques: using a minicam to record images; conducting radio and television interviews; and editing these packages to produce stories that are suitable for online publication or broadcast. Other lectures cover a range of topics, including understanding and using hypertext, building a blog and podcasting. They will develop and maintain a Blog, learn to Podcast and, using a combination of text and images, develop their own web-based publication. This subject, which is undertaken in conjunction with DESN211, leads into JOUR315 in which students will develop advanced skills in convergent journalism.

JOUR216 Introduction to Broadcast Journalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: All 100 level Journalism subjects; JOUR210; JOUR214; DESN290; DESN211

Co-requisites: JOUR215

Subject Description: Despite the practical focus, this subject has a significant theoretical component, to the extent that it provides students with a solid grounding in the fundamentals required to work in radio, television or convergent journalism. Topics covered include using the voice, writing for radio, interviewing for radio and working with sound and understanding radio news values. They then move on to radio production formats, including a session on presentation and live radio. The latter also provides students with an insight into newsroom relationships. Students then move on to television, where they are introduced to minicams and the requirements of television programs. They will be introduced to the idea of working as a one-person team, in which they determine the story angle, undertake the research, shoot and record the interview, edit and present their final story. They will also be introduced to the legal and ethical constraints of broadcast news.

JOUR231 Political Journalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR 111; JOUR 112; JOUR 113; JOUR 114

Co-requisites: JOUR 210; JOUR 214

Subject Description: The subject begins by providing an overview of the relationship between politicians and journalists. It then explores the Australian political system before looking at a range of specific issues such as covering elections, interpreting budgets and other legislation, understanding political parties and other players in the political game. Assessment will be built around the development of advanced research and writing skills. The subject is taught as an intensive workshop through a series of simulated news exercises. Work is to be completed both in class and between class.

JOUR232 Photojournalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR111, JOUR112, JOUR113, JOUR114, JOUR210, JOUR214, JOUR215

Co-requisites: TBA (will depend on semester offered)

Subject Description: This subject begins with a

series of introductory lectures and workshops on photographic techniques. Students are introduced to cameras and basic principles, such as adapting for speed and light. They are then introduced to different forms of photography (indoor and outdoor; action and still, people and animals) and the requirements of different publications (newspapers, news magazines and lifestyle or arts magazines). Students will be introduced to photo-editing programs like Photoshop. Finally, they will have a series of discussions on photo ethics and the law.

JOUR233 Arts Journalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR111, JOUR112, JOUR113, JOUR114, JOUR210, JOUR214, JOUR215

Co-requisites: TBA (will depend on semester offered)

Subject Description: On successful completion of this subject, students will be able to write a range of arts-based reviews (music, television, book, theatre, exhibition). Students will have the opportunity to apply the writing skills developed in other subjects to the particular requirements of reviewing with a critical difference. With reviews, writers are permitted to infuse their own subjective views into their writing, unlike standard form journalism, which promotes the fundamental tenets of fairness, balance and objectivity. Students will produce both short and long form reviews. They will also produce some live programs, including a movie review and a music review in which they act as DJ.

JOUR234 Lifestyle and Magazine Journalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR 111; JOUR 112; JOUR 113; JOUR 114; DESN 290

Co-requisites: JOUR 210; DESN 211; JOUR 214

Subject Description: This subject will be developed around a number of intensive workshops that will be led by industry professionals. The subject content will reflect the interests of the guest lecturers, but will broadly pick up on some of the specialist subject areas identified below. Accordingly, the lecture and workshop content can vary from year to year. Topics include: (1) learning to write with authority, and (2) writing for an audience. Specialist topics could include, but will not be restricted to: fashion, health and fitness, interior design and decorating, wine and cooking, travel, cars, boats, money and specialised collecting, arts and crafts and issues relating to life stages. A variety of feature styles will be explored, including profiles, how-to articles, and columns. The importance of the magazine as a visual medium will also be explored. Because of this, JOUR 234 is likely to appeal to students who are also interested in Arts Journalism (JOUR 233) and Photojournalism (JOUR 232). Each year the areas selected will seek to cater for a range of interests.

JOUR299 Desktop Publishing

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: JOUR101 or JOUR201

Co-requisites: None

Subject Description: The subject covers the basic copy writing principles and focuses on the application of computer-based design layout and typography to independent publishing of newsletters, publicity

brochures and magazine. The teaching software used are PageMaker and Adobe Photoshop. However, this may change with new industry software becoming available.

JOUR301 Investigative Reporting

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: JOUR101 or JOUR201

Co-requisites: None

Subject Description: This subject extends students' experience in news and feature writing to critical media investigation of community issues. As research involved in investigative reporting is time consuming, students are required to submit 2 major investigative features of 1500 words each for the semester. Investigative stories can be submitted as a group project. Lecture topics include: process of news research by conventional and online media; team investigation; investigative and research techniques; story composition; statistical interpretation; and media law and ethics.

JOUR302 Directed Study/Practice

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: JOUR301

Co-requisites: None

Subject Description: Students will be required to complete a major essay of 4,000 words based on a directed program of independent study/readings/research. Area of inquiry will be negotiated with the subject coordinator. Students who have achieved a distinction average in JOUR 201 Print Media Reporting; JOUR 202 Feature Writing; and JOUR 301 Investigative Reporting can choose instead a six-week internship program with a news organisation. Internship performance and outcomes will be evaluated by the news organisation and will cover the student's work output and demonstration of journalistic aptitude as described in the evaluation guidelines. At the end of the internship, students are required to submit the evaluation sheets, a log of weekly activities, and a 2000-word reflective essay of their experience. Staff at the School of Journalism and Creative Writing, and Faculty of Arts will supervise the intern.

JOUR311 Newsroom Practice

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: JOUR101 OR JOUR201 AND JOUR211 OR JOUR301

Co-requisites: None

Subject Description: The purpose of this subject is to enable students to work in a daily newsroom environment, initiating, researching and writing a range of news and feature stories. Students will be expected to produce publishable work under deadline pressure. The work will also be expected to meet the required ethical and legal standards. High quality work will be published on the School of Journalism and Creative Writing's web page.

JOUR314 Newsroom Practice (3) - Editing and Production

Not on offer in 2007

Credit Points: 6

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>Pre-requisites: JOUR 111; JOUR 112; JOUR 113; JOUR 114; DESN 290; DESN 211; JOUR 214; JOUR 210; JOUR 215</p> <p>Co-requisites: None</p> <p>Subject Description: This is the third of the compulsory newsroom subjects. As with JOUR 114 and JOUR 214, students will begin each day with an editorial conference. In this conference, students will consider the range of stories and photographs they have to work with. In JOUR 314, the stories worked on, will have been produced by students working in other subjects, particularly JOUR 114 and JOUR 214. Students assigned senior editorial positions (editor, news editor, photo editor and layout sub) will also attend the editorial conferences in JOUR 114 and JOUR 214 to gain an insight into the stories likely to be produced. The editorial team will also have access to students working in JOUR 114 and JOUR 214. With the agreement of the JOUR 114 and 214 staff editors, students not assigned specific weekly tasks, will contribute stories to themed editions being produced by JOUR 314 students. Students enrolled in JOUR 314 will develop a range of skills, including the ability to edit stories and photographs using InDesign.</p>
Commerce	
Creative Arts	
Education	<p>JOUR315 Convergent Journalism (2)</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; JOUR210; DESN211; JOUR215</p> <p>Co-requisites: None</p> <p>Subject Description: In this subject students will build on the skills developed in JOUR215 (Introduction to Convergent Journalism) to hone the skills required to work in a convergent newsroom where staff work under tight deadline pressures and are expected to value-add to stories that might appear in a publication's hard-copy version. The subject focuses on the development of audio and audio-visual packages using commercial software programs like Flash. Topics covered include: using drawing tools, simple animation, incorporating movie clips, working with photos, working with sound, working with text, and building slideshows with sound. Students will be expected to develop their own multimedia packages on a range of different topics. They will also play a role in the development and editing of the School's on-line publication.</p>
Engineering	
Health & Behavioural Sciences	
Informatics	<p>JOUR316 Advanced Broadcast Journalism</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: All 100 and 200 level core Journalism subjects; JOUR216</p> <p>Co-requisites: TBA (will depend on semester offered)</p> <p>Subject Description: On completion of this subject the student will have developed advanced skills in writing, editing, producing and presenting current affairs journalism for the multi-media on-line, television or radio contexts. The subject has been designed to simulate a real working experience that is underpinned by relevant theory. The student journalist will formulate their project into a proposal and then expand the work throughout the project-based-subject in an actual freelance production, with the Subject Coordinator as consulting producer/senior editor. The student will realize the importance of a meticulous approach when developing a feature length broadcast piece. This</p>
Law	
Science	

disciplined process is shared across the multi-media on-line, television or radio current affairs journalism contexts. On completion of the subject students will have acquired advanced skills in scripting material, acquiring digital video and then grammatically sequencing pictures and/or audio for the finished piece. Meaning will be conveyed with clarity and impact while the work retains journalistic integrity, flow, rhythm and style.

JOUR320 Journalism Project

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215; all 100 and 200 level subjects from non-journalism specialism.

Co-requisites: TBA (will depend on semester undertaken)

Subject Description: In this subject students will work in a newsroom environment to write a series of stories on topics or issues that stem from their non-journalism studies. For example, a student studying Geology might write a series of stories on advances in mining exploration techniques or mine safety. A student studying Health and Behavioural Sciences might write a series of stories on health issues such as the discovery of a new vaccine that will treat both Hepatitis C and chronic alcoholism. In short, this subject provides students with an opportunity to embed themselves in another discipline and use the knowledge they have built in that area to help demystify it to the general populace. There are no lectures in this subject. Students, being in the final year of their degree, will work under the direction of a staff editor. They will be required to produce a portfolio of stories on a topic of their own choice. The only stipulation is that the work is produced in a journalistic format and provides a detailed explanation of an issue or series of related issues. Students will be expected to show advanced journalism skills, strong analytical skills in their chosen non-journalism discipline, and the ability to turn a complex topic into a package that can be readily understood by a broad, that is non expert, audience.

JOUR330 Advanced Journalism Research Project

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DES 290; DESN211; JOUR210; JOUR214; JOUR215

Co-requisites: None

Subject Description: Students will be introduced to a range of themes in Journalism research (the range will depend on the interests of staff members). In the initial seminars, students will receive an overview of different research methodologies, including their strengths and weaknesses. Once accepted into a project, students will be required to work both independently and as a member of the team. Responsibilities will include research design, data collection and interpretation. Students will be required to produce a draft of the final report. All students will contribute to the final report and will share ownership of any publishable outcomes. Students will meet with their academic supervisor on a weekly or fortnightly basis (this will depend on the nature of the project and where it is situated in the project cycle).

JOUR331 Literary Journalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215

Co-requisites: None

Subject Description: This subject begins with a series of discussions that focus on the theme: 'the writer, the story, the self.' Students are introduced to Literary Journalism through the work of writers such as Truman Capote, Susan Sontag, Robert Dassaix, Janet Malcolm and John Brendht. Through writing exercises students will develop a personal writing style that shows an individual voice. One of the features of literary journalism is the depth of research that underpins the written product. Another is the ability to conduct complex long form interviews. Students will focus on developing these skills, both through in-class exercises and by researching and writing their own pieces of literary journalism.

JOUR332 Finance Journalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215

Co-requisites: None

Subject Description: The subject begins by providing a series of lectures and workshops on the Australian financial sector. Topics covered will include the role of the government in setting monetary policy, interest rates, inflation, the Australian Stock Exchange, the regulators (Reserve Bank, ACCC, ASIC and APRA), interpreting company reports and balance sheets, and interpreting federal and state budgets. Students will attend workshops in which they will learn to research and write about these topics.

JOUR333 Advanced Journalism Ethics

Not on offer in 2007

Credit Points: 6

Pre-requisites: All core 100 level and 200 level Journalism subjects

Co-requisites: None

Subject Description: The subject begins by posing a number of questions: 'What is ethics? Why should media organisations (and the journalists who work for them) behave ethically? What are the real risks (and costs) when journalists behave badly? The subject then moves on to discuss media coverage of a range of issues (some that the media deal with on a daily basis, some that occur less frequently, but nonetheless pose a number of conundrums for the journalist or media organisation involved). Possible topics include disability, ageism, cultural issues, sexuality, war, politics, sport.

JOUR334 International Journalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215; JOUR 216;

Co-requisites: TBA (will depend on semester offered)

Subject Description: The subject has three principal objectives: (1) to expose students to the dynamics of

international news reporting within the context of past debates on a 'new world information order'; (2) to provide students with critical concepts in understanding the impact of international news dissemination on global political economy; and (3) to examine foreign news reporting from a critical perspective by looking at recent cases of 'distorted' reporting. Topics include: the new world information order, empirical studies of international news reporting, breaking the hegemony/imperialism theory in international reporting; clashing theories of the press; reinventing committed journalism; stereotypes in international news reporting; the work of foreign correspondents; and cyber journalism in a fractured world.

JOUR335 Advanced Publishing and Design

Not on offer in 2007

Credit Points: 6

Pre-requisites: All core 100 level and 200 level Journalism subjects

Co-requisites: None

Subject Description: The subject begins by looking at design principles (balance, symmetry/asymmetry, optical weight, proportion, sequence, emphasis, unity, form and space) to understand how we respond to line, shape, texture, colour, and intricate spatial relationships. Students then study typography, photography, illustration, advanced layout, using colour, proof-reading, printing, and quoting for jobs. Finally, students design and produce an advanced web-based colour magazine using desktop publishing programs.

JOUR336 Advanced Documentary Journalism

Not on offer in 2007

Credit Points: 6

Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215; JOUR216; JOUR316

Co-requisites: TBA (will depend on semester offered)

Subject Description: This subject provides students with an opportunity to value-add to the earlier broadcast and convergent subjects they have undertaken (JOUR216; JOUR316; JOUR215; JOUR315), with a view to developing a longer, more complex documentary. Students will negotiate a topic with their lecturer who will take on a collegial role of senior producer. Students will then work closely with the producer to develop their documentary through its various stages. Student work is corrected, revised and rewritten to develop the necessary systematic, theoretical descriptions or explanations of the processes, technologies, excellence in camera vision and sound and editing language, grammar, styles and structures of today's converging documentary and current affairs. In summary, this subject has been designed to simulate a real working experience that is underpinned by relevant production theory.

MEDA101 Introduction To Media Arts

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Interview and portfolio

Co-requisites: None

Subject Description: This subject provides an introduction to Media Arts. Students gain an overview of the history and defining features of the field and develop fundamental skills in digital media production.

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Arts	<p>The relationship between analogue and digital media is examined and crucial aesthetic concepts such as representation, simulation, narrative, database and interaction are introduced. The practical workshops and assignments provide a means of relating broad theoretical concerns to aspects of creative practice.</p>	<p>technical methods and critical-aesthetic perspectives. The subject has an associated professional dimension, considering the institutional context for Media Arts practice and developing skills in proposal-writing, reporting, documentation and critical evaluation.</p>
Commerce	<p>MEDA102 Computational Media Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MEDA101 Co-requisites: None Subject Description: This subject provides an accessible introduction to the field of creative programming. Students gain relevant programming skills within the context of engaging in a series of code-based drawing, animation and digital media exercises. At a theoretical level, the subject considers historical debates concerning the aesthetic status of creative programming and examines how the field relates to broader tendencies within contemporary art.</p>	<p>MEDA302 Media Arts Project Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MEDA101, MEDA102, MEDA201, MEDA202, MEDA301 Co-requisites: IMEDA301 Subject Description: This subject focuses on the development of an exhibition-ready Media Arts project with an associated critical exegesis. Students are expected to develop professional project applications, provide milestone reports and contribute to a set of seminars addressing contemporary issues in Media Arts. Completed projects will be exhibited in the end of year student exhibition. Related to this, the subject will address issues of exhibition, installation and the curatorial handling of Media Arts projects.</p>
Creative Arts		
Education	<p>MEDA201 Time, Space & Data Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MEDA101 and MEDA102 Co-requisites: None Subject Description: This subject explores how issues of time and space are conceived and represented within contemporary Media Art. The re-imagination and reconfiguration of photography, film and video is a specific area of focus. The topic provides a focus for students to develop their skills in both traditional media production (composing, recording and editing) and creative programming (the modelling, representation and algorithmic manipulation of aspects of space and time).</p>	<p>PERF102 Studio Practice A Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: Audition and/or interview Co-requisites: PERF120 and PERF116 Subject Description: Studio practice A will introduce students to concepts and processes of stage performance and production using techniques developed by performing arts practitioners. Students will examine the methodologies of improvisation, voice production, text and score analysis, and will engage in the practice of ensemble performance, and production skills. Practical work will be assessed on effort, imagination, experimentation and demonstrated skills.</p>
Engineering		
Health & Behavioural Sciences	<p>MEDA202 System, Play & Interaction Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MEDA101, MEDA102, MEDA201 Co-requisites: None Subject Description: This subject is concerned with how interaction is conceived and enabled within contemporary Media Art. It examines the rhetoric, aesthetics and cultural politics of interaction, and considers the key paradigms of play, networked communication and artificial life and intelligence. The subject focuses not only on standard mouse and keyboard style interaction but also the expanding field of micro-controller based electronic art. Students produce project work in fields such as software art, alternative gaming and physical computing.</p>	<p>PERF103 Studio Practice B Spring Wollongong On Campus Credit Points: 6 Pre-requisites: PERF102 and PERF116 and PERF120 Co-requisites: PERF117 and PERF121 Subject Description: In conjunction with work developed in PERF102 Studio Practice A this subject continues to investigate performance techniques and contemporary theatre practice. Students will apply their skills in a practical environment. Students will work in collaborative groups to develop performance material appropriately staged and managed.</p>
Informatics		
Law	<p>MEDA301 Media Arts Workshop Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MEDA101, MEDA102, MEDA201, MEDA202 Co-requisites: None Subject Description: This subject enables students to research and gain expertise in a specific field of Media Arts practice. In consultation with the lecturer, students design and propose an individual program of conceptual and practical Media Arts research. A series of class seminars provide a forum for students to report on their research activities and to refine their</p>	<p>PERF116 Dramaturgy A: Text and Performance Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Dramaturgy A introduces the performance student to the fundamental concepts of 'text'. It will provide students with an overview of theatre history from classical Greek drama to post-dramatic theatre, and familiarise students with the application of cultural/-literary theory (semiotics, post-colonial, feminist etc) in theatre studies and the development of performance theory.</p>
Science		

PERF117 Dramaturgy B: Introduction to Genre and Style

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PERF116

Co-requisites: None

Subject Description: In this subject students will examine the aesthetics of Romantic drama and the 'dialectic theatre' of Epic form. In doing so, the subject explores the parameters of 'style' and the function of theatre in public life and culture in different periods of theatre history.

PERF120 Performance Skills A

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Audition and/or interview

Co-requisites: PERF102 and PERF116

Subject Description: This subject provides a range of disciplines from which students can construct pathways appropriate to their development as contemporary theatre makers. Students select three (3) skills classes. Students may audit a fourth skill where timetable allows. Available skills are: movement for actors; Character Analysis; Singing for Opera and Recital; Singing for Theatre; Music Repertoire; Production; and Stage Crew. This subject has a WebCT vista site of support resources to assist learning.

PERF121 Performance Skills B

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PERF120 and PERF102 and PERF116

Co-requisites: PERF103 and PERF117

Subject Description: This subject provides a range of disciplines from which students can construct pathways appropriate to their development as contemporary theatre makers. Students select three (3) skills classes. Students may audit a fourth skill where timetable allows. Available skills are: movement for actors; Character Analysis; Singing for Opera and Recital; Singing for Theatre; Music Repertoire; Production; and Stage Crew. This subject has a WebCT vista site of support resources to assist learning.

PERF202 Studio Practice C

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: PERF103 AND

PERF121 AND PERF117

Co-requisites: PERF220 AND PERF216

Subject Description: In association with PERF216 Dramaturgy C, & PERF220 Performance Skills C, Studio Practice C is an extension of the work covered in PERF103 Studio Practice B. This subject complements other Performance subjects by providing a workshop environment in which the knowledge acquired in Theory and Skills can be put into practice. The subject's fundamental aim is to continue the exploration of recognised rehearsal methodologies and experimental theatre practices, by concentrating on performance interaction in either the interpretation and production of a set text or scores, or by exploring the principals of devised performance techniques.

PERF203 Studio Practice D

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PERF202 and PERF220 and PERF216

Co-requisites: PERF221 and PERF217

Subject Description: In association with PERF217 Dramaturgy D and PERF221 Performance Skills D, Studio Practice D provides a workshop environment in which knowledge acquired in the theory and skills subjects can be put into practice. Students will engage in methods of contemporary theatre making. This subject will develop production techniques and on-stage interaction in the process of rehearsing and staging a theatre production.

PERF216 Dramaturgy C: European Modernism and Performance

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: PERF117

Co-requisites: None

Subject Description: The responses to modernism by playwrights, composers and performers working in the highly charged nationalistic circumstances in Europe, are detailed to give students an extensive appreciation of the provocative and evolving performance modes of twentieth century theatre practice; including realism and naturalism. Particular attention will be given to the rise of 'the director' in the twentieth century.

PERF217 Dramaturgy D: Australasian Modernism and Performance

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PERF216

Co-requisites: None

Subject Description: The subject considers the responses to modernism and the subsequent concept of postmodernism by playwrights, composers and performers working in Australasia. In this context particular attention will be paid to physical and non-verbal performance styles, as well as the significant European, American, Asian and Indigenous influences on the development of dramaturgy and performance in Australia.

PERF220 Performance Skills C

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: PERF121 and PERF103 and PERF117

Co-requisites: PERF202 and PERF216

Subject Description: This subject provides a range of disciplines from which students can construct pathways appropriate to their development as contemporary theatre makers. Students select three (3) skills classes. Students may audit a fourth skill where timetable allows. Available skills are: movement for actors; Character Analysis; Singing for Opera and Recital; Singing for Theatre; Music Repertoire; Production; and Stage Crew. This subject has a WebCT vista site of support resources to assist learning.

PERF221 Performance Skills D

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PERF220 and PERF202 and PERF216

Co-requisites: PERF203 and PERF217

Subject Description: This subject provides a range of disciplines from which students can construct pathways appropriate to their development as contemporary theatre makers. Students select three (3) skills classes. Students may audit a fourth skill where timetable allows. Available

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>skills are: movement for actors; Character Analysis; Singing for Opera and Recital; Singing for Theatre; Music Repertoire; Production; and Stage Crew. This subject has a WebCT vista site of support resources to assist learning.</p> <p>PERF302 Studio Practice E Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: PERF203 and PERF221 and PERF217 Co-requisites: PERF320 and PERF316 Subject Description: In association with PERF316 Dramaturgy E, and PERF320 Performance Skills E, PERF302 is an extension of the work covered in PERF203 Studio Practice D. This subject complements other Performance subjects by providing a workshop environment in which the knowledge acquired in Theory and Skills can be put into practice. Through self-initiated projects or through text and music score interpretation, the role of politics in contemporary performance practices will be investigated. PERF302 Studio Practice E, is the practical expression of contemporary performance practice which compliments other Performance subjects by continuing to develop rehearsal methodologies (except by industry) and by exploring experimental theatre practices. Performance subjects fall into three areas of study, Dramaturgy (theory and history), Studio Practice (voice, text and music score interpretation and devised performance techniques) and Performance Skills (musical, acting and physical techniques). All components are essential for the education and development of the Performance Practitioner.</p>	<p>Co-requisites: None Subject Description: The broad field of practice termed contemporary 'performance' and more recently theorised as post-dramatic theatre will be examined as a partial re-invigoration of avant-garde forms by artists interested in addressing recent developments in philosophy, changes in everyday culture and different conceptions of social and political expression. Particular emphasis will be placed on the shift from dialogue on stage to the dialogue between the performer and spectator that characterises 'new' approaches to the theatre medium. In addition, the subject will consider the criteria used to address recent forms of expression in journalism and other forms of commentary.</p>
Commerce		
Creative Arts		<p>PERF320 Performance Skills E Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: THEA203 and PERF217 Co-requisites: PERF302 and PERF316 Subject Description: This subject provides a range of disciplines from which students can construct pathways appropriate to their development as contemporary theatre makers. Students select three (3) skills classes. Students may audit a fourth skill where timetable allows. Available skills are: movement for actors; Character Analysis; Singing for Opera and Recital; Singing for Theatre; Music Repertoire; Production; and Stage Crew. This subject has a WebCT vista site of support resources to assist learning.</p>
Education		
Engineering	<p>PERF303 Studio Practice F Spring Wollongong On Campus Credit Points: 6 Pre-requisites: PERF302 and PERF320 and PERF316 Co-requisites: PERF321 and PERF317 Subject Description: This subject provides a workshop environment in which knowledge acquired in Theory and Skills can be put into practice. By developing proficiency in production or on-stage performance techniques and in particular, the unification of vocal and physical work as demanded by character, students will develop their capabilities in the rehearsal and staging of a production theatre making.</p>	<p>PERF321 Performance Skills F Spring Wollongong On Campus Credit Points: 6 Pre-requisites: PERF320 and PERF302 and PERF316 Co-requisites: PERF303 and PERF317 Subject Description: This subject provides a range of disciplines from which students can construct pathways appropriate to their development as contemporary theatre makers. Students select three (3) skills classes. Students may audit a fourth skill where timetable allows. Available skills are: movement for actors; Character Analysis; Singing for Opera and Recital; Singing for Theatre; Music Repertoire; Production; and Stage Crew. This subject has a WebCT vista site of support resources to assist learning.</p>
Health & Behavioural Sciences		
Informatics	<p>PERF316 Dramaturgy E: Comic Traditions and Modes of Performance Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: PERF217 Co-requisites: None Subject Description: This subject will analyse the development of comedy from Greek and Roman traditions through the commedia dell'arte, to Shakespearean romantic comedy, Restoration comedy, opera and its manifestation in a contemporary cultural context. It will examine the social and political role of comic forms of theatre and consider theoretical approaches to the study of comedy.</p>	<p>SCMP101 Investigations in Sound 1: Creative Projects 1 Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: Interview/Audition Co-requisites: SMP111 Subject Description: This subject allows students to create several small-scale projects in both instrumental and digital genres, and to explore techniques for the development and manipulation of materials in a sound environment.</p>
Law		
Science	<p>PERF317 Dramaturgy F: Performance and the Avant-garde Spring Wollongong On Campus Credit Points: 6 Pre-requisites: PERF316</p>	<p>SCMP102 Investigations in Sound 2: Creative Projects 2 Spring Wollongong On Campus Credit Points: 6 Pre-requisites: SCMP101 Co-requisites: SCMP112 Subject Description: This subject builds on a study of techniques of musical composition from in SCMP 101, and will develop scores in both live performance and pre-recorded genres. Students will work individually and</p>

in collaboration with their peers to create a variety of compositional projects including multi-disciplinary works. The subject will develop fluency in the language of critical evaluation in the performance of contemporary music.

SCMP111 Issues in Sound 1: Notation

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject introduces students to both traditional and non-traditional methods of notation using the 'Finale' software package.

SCMP112 Issues in Sound 2: Acoustics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP111

Co-requisites: None

Subject Description: This subject further explores contemporary issues in sound, through the study of acoustics.

SCMP121 Sound Studies 1: Improvisation

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Interview/Audition

Co-requisites: SCMP101

Subject Description: This subject allows students to study methodologies of improvisation and develop listening skills, with a view to understanding techniques of composition.

SCMP122 Sound Studies 2: Improvisation 2

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP121

Co-requisites: SCMP102

Subject Description: This subject allows students to further their studies in the methodologies of improvisation. The two hours of lecture in the class will be given to the study of improvisation and the one hour of tutorial will explore career development techniques.

SCMP201 Investigations in Sound 3: Creative Projects 3

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP102

Co-requisites: SCMP221

Subject Description: This subject encourages intra and inter-disciplinary collaboration within the performance and digital genres to create new works. These works will be of a larger scale than those created in the first year of the course.

SCMP202 Investigations in Sound 4: Creative Projects 4

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP201

Co-requisites: SCMP222

Subject Description: This subject will focus on large sound/music projects. Possibilities will include composing music/sound for video, advanced Pro Tools projects, recording and CD mastering projects and the creation of

large ensemble acoustic works. In addition, a performance event will occur to enable those students who wish to perform live (either individually or collectively) to do so. Projects may be both individual and collaborative.

SCMP211 Issues in Sound 3: Computer Music 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP112

Co-requisites: None

Exclusions: MUS312

Subject Description: This subject will give students an opportunity to further explore digital editing techniques using the Pro Tools software.

SCMP212 Issues in Sound 4: Audio/Visual Composition

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP211

Co-requisites: None

Subject Description: This unit offers an historical, theoretical and practical introduction to audio/visual composition. Through a series of lectures and practical lab classes students will gain an introduction to the principles of composing in the audio/visual domain. Through the use of digital technologies, each student will produce an audio/visual work for fixed media and an audio/visual work for live performance.

SCMP221 Sound Studies 3: Historical Studies 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP122

Co-requisites: SCMP201

Subject Description: This course examines the history of Australian music and its contextualisation in relation to indigenous, national and international perspectives.

SCMP222 Sound Studies 4: Historical Studies 2

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP221

Co-requisites: SCMP202

Subject Description: This subject will examine the history of western art music since the 1890's, with particular reference to ground-breaking works and composers and their relationships to tonality in both orchestral and electronic music.

SCMP301 Investigations in Sound 5: Creative Projects 5

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP202

Co-requisites: SCMP321

Subject Description: In this subject students will compose music for large scale forces. Opportunities will exist for students to manage aspects of performance and/or the web publishing of music sites and to develop work experience connections. Collaborative

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

and individual projects will be pursued and the subject will be collaboratively taught and assessed. Students' specialisations will be further encouraged and developed.

SCMP302 Investigations in Sound 6: Creative Projects 6

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP301

Co-requisites: SCMP322

Subject Description: This project - centred subject will concentrate on the creation of works for audio and audio-visual media.

SCMP311 Issues in Sound 5: Computer Music 5

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP212

Co-requisites: None

Subject Description: This unit offers an historical, theoretical and practical introduction to algorithmic composition. Algorithmic composition is a term used to describe automated processes for generating music. Since Hiller and Xenakis first composed music notation using computers it has become a major development in music composition. Algorithmic concepts owe much to the use of analogue signals and processes for music composition and performance pioneered by Tudor, Mumma, Behrman, Neuhaus, Reich, Lucier and others. As the capabilities of generic personal computers increased, live performance computer music based on the work of composers like Chadabe, Ghent, Spiegel, Koenig, Martirano, Lewis and others became inevitable. The study of algorithmic composition will use PD (an acronym for Pure Data) an object-oriented composition language developed by Miller Puckette.

SCMP312 Issues in Sound 6: Recording Industry Studies

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP311

Co-requisites: None

Subject Description: This subject explores the history and development of the sound recording industry, and includes a practical component of Analogue to Digital format transfer.

SCMP321 Sound Studies 5: Professional Practice 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP222

Co-requisites: SCMP301

Subject Description: This subject focuses on professional practices for sound artists including grant-writing, networking and project management skills; a residency at a local public school may be the practical outcome of these studies.

SCMP322 Sound Studies 6: Professional Practices 2

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: SCMP321

Co-requisites: SCMP302

Subject Description: This subject continues and develops the professional skills of project management and grant writing from in SCMP321. Students will produce and manage an end-of-year concert.

THEA290 Theatre Workshop 2

Not on offer in 2007

Credit Points: 6

Pre-requisites: 36cp PERF subjects

@ 100 level and Audition

Co-requisites: None

Subject Description: The workshop aims to explore the theatrical process through the study of published scripts, musical scores or newly written or devised work. Specialised performance techniques may be taught in order to access the appropriate style of text or music. Performances will be produced to low level budgets using students' technical and stage management skills. Productions may be presented in Orientation Week.

THEA390 Theatre Workshop 3

Not on offer in 2007

Credit Points: 6

Pre-requisites: 36cp PERF subjects

@ 200 level and Audition

Co-requisites: None

Subject Description: The workshop aims to explore the theatrical process through the study of published scripts, musical scores or newly written or devised work. Specialised performance technique may be taught in order to access the appropriate style of the text or music. Performances will be produced to low level budgets using students' technical and stage management skills. Productions may be presented in Orientation Week.

VISA101 Visual Investigations A

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Folio of Work/Interview

Co-requisites: VISA103 or DESN101

Subject Description: An introduction to the language of visual art and design through workshops, practical exercises and concept-based projects in which students will explore a range of graphic and visual art media. Drawing, photography and printmaking are central to the subject. Field trips to relevant exhibitions and exposure to art and design history and theory will contextualise these studies.

VISA102 Visual Investigations B

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA101

Co-requisites: VISA122 or DESN102

Subject Description: Further studies in the language of visual art and design through workshops, practical exercises and concept-based projects in which students will explore a range of graphic and visual art media. Drawing, photography and printmaking are central to the subject. Field trips, exhibition visits and exposure to art and design history and theory will contextualise these studies.

VISA103 Introduction to Visual Arts Studio A

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Folio of Work/Interview

Co-requisites: VISA121 and VISA101

Subject Description: An introduction to concepts, processes and media within the areas of painting, printmaking, textiles and sculpture. The subject will include studio theory, introduction to the use of appropriate media and equipment, set class exercises, self-initiated projects and gallery visits. Practical work will be assessed on the extent and range of work, conceptual development, and experimentation in skills and approach to the medium chosen.

VISA104 Introduction to Visual Arts Studio B

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA103

Co-requisites: VISA122 and VISA102

Subject Description: An extended understanding of the concepts, processes and media within the areas of painting, printmaking, textiles and sculpture. The subject will include studio theory, and appropriate use of media and equipment, class exercises, self-initiated exercises and gallery visits. Practical work will be assessed on the extent and range of work, imagination and experimentation in skills and approach to the medium chosen.

VISA121 Introduction to Theories of Visual Culture

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject investigates objects and images that encode the values, tastes and ideologies of western culture. It asks where objects originate in the fields of art, craft or design, and whether they are unique or mass-produced, or for private or public consumption. Within three broad themes, the subject looks at the production, social and aesthetic frameworks of the visual culture of objects and images. Examples from design, architecture, art, craft and the broader field of public art and design will be presented for further research and analysis.

VISA122 Perspectives on Modernism

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA121

Co-requisites: None

Subject Description: This subject brings a contemporary perspective to some of the key innovations, ideas and values of nineteenth and twentieth modernism in Australia and Europe. It considers key movements in modern art, craft and design as related practices with their own specific social context and histories. The subject contrasts the 'heroic narratives' of European art history with post modern and postcolonial critiques and identifies the continuing

value of historical art and design for our contemporary practice. The subject emphasises the development of skills in research and analysis of art and design.

VISA123 Introduction to Aboriginal Arts and Society

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject provides an approach to discovering the rich diversity of Aboriginal art giving consideration to both traditional and new forms of cultural expression. The subject surveys developments in Aboriginal literature, music, performance and the visual arts, focusing on contemporary Aboriginal artists and the contexts in which they practice.

VISA124 Introduction to Photography

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is an overview of the camera in the area of analogue technology. It includes the use of 35mm and pinhole camera. Black and white darkroom work will be based on photograms, pinhole images and printing from 35mm negatives. Lectures, excursions, demonstrations and workshops are organised that lead to self-initiated projects. Students are expected to maintain a visual diary of their art processes.

VISA190 Visual Arts Workshop A

Not on offer in 2007

Credit Points: 6

Pre-requisites: (Folio of Work) or (VISA103) or (VISA104)

Co-requisites: None

Subject Description: Intensive workshops in the visual arts will be offered by professional artists and craftspeople. The workshops offered will depend on the tutors' expertise and availability, but will aim to develop the technical skills and creative potential of each student.

VISA201 Visual Investigations C

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA102

Co-requisites: VISA203 and VISA221

Subject Description: This subject further develops students' technical, visual and conceptual skills in digital media, printmaking, drawing and photography. Emphasis will be placed on the development of independent ideas and a sophisticated visual language through journals, which include exhibition and major project research. Students will choose one of the four workshops (as above).

VISA202 Visual Investigations D

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA201

Co-requisites: VISA222 and VISA204

Subject Description: This subject further develops students' technical, visual and conceptual skills in graphic drawing and photographic media. Classwork will be thematic with reference to contemporary

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	issues, ideas and art practice. Emphasis will be placed on the development of independent ideas and visual language. Students will elect from one of the following workshops (as available) – drawing, printmaking, photography. Classes will be supported by regular lectures, seminars, reviews and fieldwork.
Commerce	VISA203 Visual Arts Studio C Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: VISA103 and VISA104 Co-requisites: VISA221 and VISA201 Subject Description: Students will be expected to build on the concepts, techniques and skills acquired in 100 level studies, to develop a growing sense of an individual visual language, and self-reflexivity in their critical abilities. Students will have the opportunity to choose studio areas from painting, textiles (surface design or constructed) and sculpture. Studio theory will expand knowledge of specific histories and contexts of artistic process. The subject will develop an increasing knowledge of the chosen medium through set exercises, gallery visits and self-initiated work.
Creative Arts	
Education	VISA204 Visual Arts Studio D Spring Wollongong On Campus Credit Points: 6 Pre-requisites: VISA203 Co-requisites: VISA222 Subject Description: Students will be encouraged to build on a growing sense of an individual visual language, and self-reflexivity in their critical abilities. Students will have the opportunity to choose studio areas from painting, textiles (constructed or surface design) and sculpture. The subject will develop an increasing knowledge of the chosen medium and contemporary practice through set exercises, gallery visits and self-initiated work.
Engineering	
Health & Behavioural Sciences	VISA221 Ideas in Practice: Visual Arts and Design in Australia Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: VISA122 Co-requisites: None Subject Description: This subject surveys key moments in the development of art and design movements in Australia from European settlement until the mid twentieth century. Social and cultural contexts inform the understanding of influential individual artists. Students are introduced to critical frameworks of colonialism and key concepts of early modernism in visual art and design.
Informatics	
Law	VISA222 The Artist in Contemporary Culture Spring Wollongong On Campus Credit Points: 6 Pre-requisites: VISA221 Co-requisites: None Subject Description: This subject examines the role of the artist and contemporary art practice in relation to contemporary cultures, in Australia and other countries. The subject emphasises the relationship of current theoretical issues to practice, exhibition and installation in the visual arts and crafts. Students research an area of arts practice or artist both through textual and visual research.
Science	

VISA241 The Experimental Book

Not on offer in 2007

Credit Points: 6

Pre-requisites: VISA102 or VISA104
or VIS 102 or VIS 104

Co-requisites: None

Subject Description: What is an artist book? What is a livre d'artist? This subject is designed to allow students with an interest in writing and image making to become familiar with this art form through slides, discussion, visits and the making of work. Papermaking and simple book structures will be part of the course and their appropriate use discussed leading up to the making of final works.

VISA290 Visual Arts Workshop B

Not on offer in 2007

Credit Points: 6

Pre-requisites: (Folio of Work) or (VISA203) or (VISA204)

Co-requisites: None

Subject Description: Intensive workshops in the visual arts will be offered by professional artists and craftspeople. The workshops offered will depend on the tutors' expertise and availability, but will aim to develop the technical skills and creative potential of each student.

VISA301 Visual Investigations E

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA202

Co-requisites: VISA303 and VISA321

Subject Description: In a range of visual media (manual, digital and photographic) and formats (including performance and installation) students will investigate areas of visual communication in ways that complement or diversify the concerns of their major studio practice. Individual project proposals will be agreed to in consultation with the appropriate lecturer.

VISA302 Visual Investigations F

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA301

Co-requisites: VISA304 and VISA322

Subject Description: In a range of visual media (manual, digital and photographic) and formats (including performance and installation) students are able to investigate areas of visual communication in ways that complement or diversify the concerns of their major studio practice. Individual project proposals will be agreed to in consultation with the appropriate lecturer.

VISA303 Advanced Visual Arts Studio E

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA204

Co-requisites: VISA321

Subject Description: Students may choose to specialise or combine visual arts media. Interdisciplinary work will be encouraged. A self-initiated major project will be developed in consultation with the lecturer and appropriate research undertaken. Students will document their work processes and research, present their work for review on a regular basis and take active part in

class reviews, seminars and excursions. Emphasis will be placed on individual development, self-management and awareness of contemporary visual arts issues.

VISA304 Advanced Visual Arts Studio F

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA303

Co-requisites: VISA302 and VISA322

Subject Description: VISA304 ADVANCED VISUAL ARTS STUDIO F. Students may choose to specialise or combine visual arts media. Interdisciplinary work will be encouraged. A self-initiated major project will be developed in consultation with the lecturer and appropriate research undertaken. Students will document their work processes and research, present their work for review on a regular basis and take active part in class reviews, seminars and excursions. Emphasis will be placed on individual development, self-management and awareness of contemporary visual arts issues.

VISA321 Introduction to Indigenous Art and Visual Culture

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA222

Co-requisites: None

Subject Description: VISA321 INTRODUCTION TO INDIGENOUS ART AND VISUAL CULTURE. This subject surveys the concept of visual culture as a way of understanding contemporary art, with a particular focus on Indigenous arts in Australia. The importance of underlying traditions is investigated in both Aboriginal and non-Aboriginal arts, through a study of funerary art and public memorial. Both textual and visual research strategies are emphasised in presentation and writing.

VISA322 Representation and Space in Post Colonial World

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: VISA321 or VIS 321

Co-requisites: None

Subject Description: VISA322 REPRESENTATION AND SPACE IN A POST COLONIAL WORLD. This subject surveys contemporary arts practices, with a focus on Australian arts. There is an emphasis on reviewing current exhibitions and the use of theoretical perspectives and critical practices appropriate to recent art debates, exhibitions and studio practices.

VISA341 Bookworks

Not on offer in 2007

Credit Points: 6

Pre-requisites: VISA241 or VIS 241

Co-requisites: None

Subject Description: This subject continues the process begun in VIS241 and allows students to engage with the process of building books around ideas or text. More complicated book forms will be examined and the use of alternative materials encouraged. Presentation of the work will be an important part of the final assessment. Visiting artists will be involved in the program and visits will be made to museum collections and exhibitions related to the book form.

VISA350 Introduction to Curatorial Practices

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Interview only

Co-requisites: VISA321 or VISA322 or DESN321 or DESN322

Subject Description: This subject will give students expertise in aspects of exhibition curation, gallery administration and professional practice. Students have the option of preparing an exhibition proposal or a professional portfolio, as well as working on a FCA Galleries exhibition or project of their choice.

VISA390 Visual Arts Workshop C

Not on offer in 2007

Credit Points: 6

Pre-requisites: (Folio of Work) or (VISA203) or (VISA204)

Co-requisites: None

Subject Description: Intensive workshops in the visual arts will be offered by professional artists and craftspeople. The workshops offered will depend on the tutors' expertise and availability, but will aim to develop the technical skills and creative potential of each student.

WRIT101 Introduction to Creative Writing

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: WRIT111

Subject Description: WRIT101 INTRODUCTION TO CREATIVE WRITING. This subject provides an introduction to the creative writing process for students without a strong background in writing. Students will explore topics such as: finding ideas for writing; language and the writer; the drafting process; the workshop process; editing and marketing. Major forms of contemporary writing are explored, including prose fiction, poetry, scriptwriting.

WRIT109 Writing Strategies for Theme and Structure

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Folio of work and interview

Co-requisites: WRIT111 and WRIT119

Subject Description: WRIT109 WRITING STRATEGIES FOR THEME AND STRUCTURE. This subject augments WRIT111 Writing Overview by providing specific writing strategies across the three genres taught in the course: prose, poetry and writing for performance. It also complements the historical/theoretical orientation of WRIT119 Writing Theory: Classicism to Romanticism, by skilling students in methodologies that bridge theory and practice.

WRIT111 Writing Overview

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Folio of work and interview

Co-requisites: WRIT119

Exclusions: WRIT101

Subject Description: WRIT111 WRITING OVERVIEW. This subject provides an introduction to

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>the creative writing process. Topics include: exploring sources of ideas for writers; language and the writer; the drafting process; the workshop process; editing and marketing. The major forms of contemporary writing are explored, including prose fiction, poetry and scriptwriting.</p> <hr/> <p>WRIT119 Writing Theory: Classicism to the Gothic Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: Folio of work and interview Co-requisites: WRIT111 Subject Description: WRIT119 WRITING THEORY: CLASSICISM TO THE GOTHIC. This subject examines the tradition of writing theory and its applicability to contemporary writing practice. The subject concentrates on a number of key texts in poetics from Classicism to Romanticism and examines various works (in poetry, prose and drama) which may be seen to exemplify, modify, or challenge these poetics. Students are required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.</p> <hr/> <p>WRIT129 Theory for Practising Writers: Realism to Modernism Spring Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT119 Co-requisites: 6 Credit Points of any WRIT subject Subject Description: WRIT129 THEORY FOR PRACTISING WRITERS: REALISM TO MODERNISM. This subject examines the tradition of writing theory and its applicability to contemporary writing practice. The subject concentrates on a number of key texts in poetics from the Modernist period and examines various works (in poetry, prose and drama) which may be seen to exemplify, modify or challenge these poetics. Students will be required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.</p> <hr/> <p>WRIT210 Writing for the Internet <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: WRIT 111 Co-requisites: WRIT229 Subject Description: WRIT210 WRITING FOR THE INTERNET. This subject focuses primarily on the use of language but also explores how graphic input and hypertext design can relate to the overall site design. Students will research internet writing strategies and methodologies in theory and practice, applying their findings in a review of existing web sites, and will develop web pages using their own creative writing.</p> <hr/> <p>WRIT211 Writing/Performing <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: 30 cp of WRIT subjects or 36cp of PERF at 100 level Co-requisites: WRIT219 or PERF216 Subject Description: WRIT211 WRITING/PERFORMING. This subject is for students who want to write and perform their own text. It examines concepts of the body and the 'bodyword' in the course of devising original performance. The monologue is the main form explored. There is an option for students to work with a community arts project.</p> <hr/> <p>WRIT212 Writing Prose Fiction 200 Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT122 Co-requisites: WRIT219 Subject Description: WRIT212 WRITING PROSE FICTION 200. This subject examines the development of prose fiction writing in both short and extended forms. There will be an ongoing examination of writing strategies in a range of modes, from realism to metafiction and various de-metaphorising texts. An intensive workshoping of participants' work will operate throughout the subject.</p>
Commerce	
Creative Arts	
Education	<p>WRIT121 Writing For Stage and Screen Spring Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT111 Co-requisites: WRIT129. Co-requisite waived for BA students specialising in Communication and Cultural Studies who have completed WRIT101 Subject Description: WRIT121 WRITING FOR STAGE AND SCREEN. This subject examines the creative use of language in performance, with particular reference to film, television and stage. Through lectures, script workshoping, class discussion and student papers the basic principles of writing for performance are studied and applied. By the end of this subject students will be ready to undertake further specialised studies in writing for stage or screen.</p> <hr/> <p>WRIT122 Writing Prose Fiction 100 Spring Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT111 Co-requisites: WRIT129 Subject Description: WRIT122 WRITING PROSE FICTION 100. This subject provides an introduction to the writing of prose fiction concentrating on short fiction texts. This subject will consider the options available to an author in the areas of voice and tense and examine various strategies which may be employed in the uses of description, character and dialogue in both realist and non-realist modes. Attention will be paid to conventional and alternative structures. An intensive workshoping of participants' work will operate throughout the subject.</p> <hr/> <p>WRIT123 Poetry 100: Introduction to Writing Poetry Spring Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT111 Co-requisites: WRIT129 Subject Description: WRIT123 POETRY 100: INTRODUCTION TO WRITING POETRY. This subject introduces the writing of poetry, exploring those features that make poetry distinctive from</p>
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

WRIT213 Poetry 200: Poetic Forms

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** WRIT123**Co-requisites:** WRIT229

Subject Description: WRIT213 POETRY 200: POETIC FORMS. This subject centres on a wide variety of verse forms (with accompanying metres, word games and devices) both in the student's own work and through looking at poems in English from the 16th Century to the present day. Each class will centre on examples from the above ranging from the most traditional to the most avant-garde. All class members are expected to attempt a variety of these verse forms.

WRIT214 Writing For Theatre 200

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** WRIT121**Co-requisites:** WRIT219

Subject Description: WRIT214 WRITING FOR THEATRE 200. Students undertake an investigation of the techniques and theory of writing for the stage and for performance. Linear and non-linear traditions, characterisation, dialogue, and a variety of structures are examined. Students complete a script and undertake theoretical studies relevant to practice. Students are encouraged to master, but also challenge, conventions, and to explore collective modes of writing.

WRIT215 Writing For Film and Television 200

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** WRIT121**Co-requisites:** WRIT219

Subject Description: WRIT215 WRITING FOR FILM AND TELEVISION 200. This subject introduces students to writing for the screen at a professional standard. The main focus is on storytelling for a visual medium with particular attention given to originality, structure, character development and dialogue. The subject explores the practical process from research to initial concept, character development, outline and two draft stages. Students will develop and write a screenplay of their own via this process, a film of 10 to 15 minutes length, which may either be a short film, or the opening sequence of a feature/television screenplay. To maintain the professional focus, concentration will be placed on the full length film or television script, though the species of the short film will also be covered.

WRIT216 Introduction to Editing for Practising Writers

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** 30 cp of WRIT subjects at 100 level**Co-requisites:** WRIT229

Subject Description: WRIT216 EDITING PRACTICE FOR CREATIVE WRITERS. The subject examines many types of editing: self-editing, journal editing and book editing from the perspective of both the editor and the writer-being-edited. This will include all aspects of the editing process from the simple

necessities of house style, style manuals and editorial symbols, through putting together an issue of a magazine, to editorial policy, book structure and consistency.

WRIT217 Arts Journalism 200*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** WRIT111**Co-requisites:** WRIT219

Subject Description: WRIT217 ARTS JOURNALISM 200. The principles, practice and theory of feature journalism as it applies to the Arts. Strong emphasis on critical writing, with close attention also to interviewing, biography and profile writing, and feature articles. Students write, workshop, and discuss material from a variety of media. Emphasis is also placed upon students forming ethical standards in regard to arts journalism.

WRIT219 Writing Theory: Modernism

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** WRIT129**Co-requisites:** Any WRIT subject

Subject Description: WRIT219 WRITING THEORY: MODERNISM. This subject examines the tradition of writing theory and its applicability to contemporary writing practice. The subject concentrates on a number of key texts in poetics from the Modernist period and examines various works (in poetry, prose and drama) which may be seen to exemplify, modify or challenge these poetics. Students are required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.

WRIT222 Writing Extended Prose Fiction

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** WRIT 212**Co-requisites:** WRIT229

Subject Description: WRIT222 WRITING EXTENDED PROSE FICTION. This subject seeks to identify a range of structural variants in extended prose works – specifically that of the novella – and to articulate appropriate writing strategies in a spectrum of modes. The first part of the unit will analyse a number of exemplary texts in order to provide a variety of possible modes and instruction will be given in specific techniques for originating and developing material appropriate to the novella form. The latter part of the unit will be spent in intensive workshoping of participants' original work. Upon entry to the unit, participants will be required to submit a plan for an extended prose work. Programs of development will be set in place to meet the particular needs of each project.

WRIT228 Writing For Sound 200

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** WRIT121**Co-requisites:** WRIT 219

Subject Description: WRIT228 WRITING FOR SOUND 200. This subject examines the fundamentals of scriptwriting or scoring for sound in both conventional and experimental modes. The subject will examine the creative use of the sound

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	<p>medium in radio drama, documentary and other audio art texts. An intensive workshoping of participants' work will operate in the second part of the subject.</p> <p>WRIT229 Writing Theory: Modernist Avant-Gardes</p> <p>Spring Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT219 Co-requisites: Any WRIT subject Subject Description: WRIT229 WRITING THEORY: MODERNIST AVANT-GARDES. This subject examines the tradition of writing theory and its applicability to contemporary writing practice. The unit concentrates on a number of key texts in poetics from the Modernist period, and examines various works (in poetry, prose, drama and film) which may be seen to exemplify, modify or challenge these poetics. Students will be required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.</p>
Commerce	
Creative Arts	
Education	<p>WRIT312 Advanced Prose Fiction A</p> <p>Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT212 or WRIT222 Co-requisites: WRIT319 Subject Description: WRIT312 ADVANCED PROSE FICTION A. This subject will concentrate on some of the alternative structures and approaches available to contemporary writers such as magic realism, documentary and biographical fiction, ficto-criticism, the poetic novel. The subject will examine the work of a range of contemporary writers working in a variety of styles and modes. There will be extensive workshoping of students' work. Students may engage in longer fictional forms (novella, novel) developing their work across this subject and WRIT322.</p>
Engineering	
Health & Behavioural Sciences	<p>WRIT313 Advanced Poetry A</p> <p>Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT213 Co-requisites: WRIT319 Subject Description: WRIT313 ADVANCED POETRY A: This subject seeks to explore the applications of myth in poetry writing. Students experiment with various themes, poetic forms and techniques while examining their personal poetics in relation to those of established poets and the poetic tradition. Writing on and with myths, re-inventing/contemporising traditional mythologies and personal mythmaking will be given special attention.</p>
Informatics	
Law	<p>WRIT314 Writing For Theatre 300</p> <p>Spring Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT214 Co-requisites: WRIT329 Subject Description: WRIT314 WRITING FOR THEATRE 300. This subject is conducted primarily through the development of a script for the stage. Students will also study the practical application of dramatic theory. Workshoping, lectures, tutorial papers and guided discussion will develop skills in conjunction with practical theory, so that students may achieve professional standards. Links with the theatre industry will be encouraged.</p>
Science	
	<p>WRIT315 Writing For Film and Television 300</p> <p>Spring Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT215 Co-requisites: WRIT319 Subject Description: WRIT315 WRITING FOR FILM AND TELEVISION 300. This subject offers the student the opportunity of developing advanced skills in professional scriptwriting. This is achieved by a close examination of the marketplace, as well as building on previously established scriptwriting tools: a deeper examination of building character, structure, story, genre, tone, location, time and space. The subject examines, the classical as well as less traditional story telling models. Students develop a full length script for the screen in treatment form, either a feature film or television series, from an original idea. The first act of this treatment is then written as a first draft script.</p>
	<p>WRIT316 Advanced Editing for Practising Writers</p> <p>Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT216 Co-requisites: WRIT329 Subject Description: WRIT316 ADVANCED EDITING FOR PRACTISING WRITERS. This subject will extend students' editing practice through the class compilation of an independent literary 'zine. This subject will focus extensively on the practical side of editing: line-by-line editing, editorial management, and structural editing/layout. As well, style guidelines, editorial symbols, editorial policy, and consistency will all be discussed. Students will closely edit submitted material, keep participation portfolios and sit an editing assessment.</p>
	<p>WRIT317 The Writer and the Media</p> <p>Spring Wollongong On Campus Credit Points: 6 Pre-requisites: 66 cp of WRIT subjects Co-requisites: WRIT319 Subject Description: WRIT317 THE WRITER AND THE MEDIA. This subject aims to develop a range of skills necessary for developing writing at a professional level. Issues to be covered include: Writing for the media, dealing with agents and publishing houses, grant applications, participation in writing festivals (as panellist, as featured writer, as reader), and the role of writers' centres and professional organisations.</p>
	<p>WRIT319 Writing Theory: Structuralism to the Postmodern</p> <p>Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: WRIT229 Co-requisites: Any WRIT subject Subject Description: WRIT319 WRITING THEORY: STRUCTURALISM TO THE POSTMODERN. This subject examines the tradition of writing theory and its applicability to contemporary writing practice. The unit concentrates on a number of key texts in poetics from Structuralism to the Postmodern and examines various works (in poetry, prose and drama) which may be seen</p>

WRIT322 Advanced Prose Fiction B

Credit Points: 6

Co-requisites: WRIT329

WRIT323 Advanced Poetry B

Credit Points: 6

Co-requisites: WRIT329

WRIT328 **Writing For Sound 300 -
Scoring and Production**

Credit Points: 6

Co-requisites: WRIT329

WRIT329 Contemporary Theory and the Practising Writer

Credit Points: 6

Co-requisites: Any WRIT subject

Science	Law	Informatics	Health & Behavioural Sciences	Engineering	Education	Creative Arts	Commerce	Arts
---------	-----	-------------	-------------------------------	-------------	-----------	---------------	----------	------

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Faculty of Education

Degrees Offered

Bachelor of Early Childhood Education
 Bachelor of Early Childhood Education (Honours)
 Bachelor of Education (Early Childhood Education)
 Bachelor of Education in Early Childhood Education (Honours)
 Bachelor of Primary Education
 Bachelor of Primary Education (Honours)
 Bachelor of Education (Primary Education)
 Bachelor of Education in Primary Education (Honours)
 Bachelor of Education (Physical and Health Education)
 Bachelor of Education in Physical and Health Education (Honours)
 Bachelor of Mathematics Education
 Bachelor of Science Education

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/studentcontributions.html

International - www.uow.edu.au/prospective/international/fees/

This publication contains information which is current at December 2006. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Early Childhood Education

Testamur Title of Degree:	Bachelor of Early Childhood Education
Abbreviation:	BECEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	TBA
UAC Code:	TBA
CRICOS Code:	TBA

Overview

The BECEd is a new course commencing in 2007 and replaces the Bachelor of Teaching (Early Childhood) and the 1 year Bachelor of Education (Early Childhood) degrees. The Bachelor of Early Childhood Education program focuses upon developing early childhood teachers as critically reflective teachers and managers who can work with children across the age range 0–8 years in a variety of early childhood settings.

Course content covers: Foundations of Education (psychology, history, sociology, and philosophy of early childhood education); Curriculum Studies (e.g. Mathematics, Science, Language, and Creative Arts, in early childhood education); Managing Early Childhood Learning Environments; and Child Development and Care. Fieldwork is an ongoing component throughout the course, and students are expected to conduct independent and collaborative inquiry in the field as part of their learning and assessment tasks.

The approach to course delivery emphasise students' autonomy and critical reflection in their learning. Students are involved in problem-solving, field and library research, which is conducted in teams, following input provided by lecturing staff. Teamwork is also used to promote students' interpersonal skills, which is identified as a requirement for early childhood practitioners. A framework that provides scaffolding which is systematically reduced over the four years of the course further aims to develop skills in self-directing team work.

Appropriate arrangements are made to cater for the needs of students not proceeding through the program at the normal rate, as defined in the schedule below.

Advanced Standing

Academic credit of 48 credit points is awarded to students who have completed a Diploma in Social Science (Child Studies) or equivalent.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, and any two units of mathematics as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Practical Teaching Experience

Students enrolled in the Bachelor of Early Childhood Education are required to undertake a practical teaching experience. Practical teaching experiences include 5–8 year-olds in K–2 classrooms; 3–5 year-olds in preschool, and birth–5 year olds in long day care settings; 3rd year practical experience will be in either Long Day Care or Preschool. In the 4th year students undertake a year long practical project in a setting selected from one of these options. Practical teaching experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney. Opportunities to undertake a practical teaching experience in countries such as China, Fiji, Malaysia and Thailand, or in mobile units or Western NSW areas may also be available.

Prohibited Persons Legislation

Teacher education students must complete a “Prohibited Employment Declaration” before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

This is a new course. Students who have commenced the Bachelor of Teaching (Early Childhood) course should refer to the program of study that applied at the time of their enrolment. Information is available on the Faculty of Education web page at www.uow.edu.au

Subjects		Session	Credit Points
Year 1 – Autumn			
ECFE101	Early Childhood Contexts	Autumn	6
ECLL101	Developing Babies and Toddlers Language Interactions	Autumn	6
EDFE101	Educational Foundations 1: Learning & Development	Autumn	6
Year 1 – Spring			
ECLE102	Early Intervention and Young Children with Special Needs	Spring	6
ECFE102	Play Based, Emergent Curriculum	Spring	6
ECPD102	Observing Children	Spring	6
ECIC102	ICT in Early Childhood Teaching and Learning	Spring	6
Year 2 – Autumn			
EDKP201	PDHPE Content & Pedagogy	Autumn	6
EDCM201	Classroom Management: Creating Positive Learning Environments	Autumn	6
EDFE301	Educational Foundations 3: Sociology and Cultural Studies	Autumn	6
ECKH201	Human Society and Its Environment in Early Childhood	Autumn	6
Year 2 – Spring			
EDKL102	Language and Literacy 1: The Early Years	Spring	6
ECKS202	Science and Technology in Early Childhood	Spring	6
EDAE302	Aboriginal Education	Spring	6
EDKA202	Creative Arts Education	Spring	6
Year 3 – Autumn			
EDLE301	Learners with Exceptional Needs	Autumn	6
ECFM301	Management in Early Childhood	Autumn	6
ECFE301	Historical and Philosophical Perspectives on Early Childhood Education	Autumn	6
ECHW301	Health and Wellbeing in Early Childhood for Staff and Children	Autumn	6
Year 3 – Spring			
ECPD302	Curriculum Planning and Development for Evidence Based Practice	Spring	6
ECCT302	Contemporary Theories in Early Childhood	Spring	6
ECPA302	Working with Adults – Teams and Transitions in Early Childhood	Spring	6
Pick 1 Subject From Elective A as listed below or from 100/200/300 level subjects in the General Schedule			
EDEA302	Exploring Creativity through Dance and Drama	Spring	6
EDEL302	Children's Literature in the Early Years	Spring	6
EDAR302	Advanced Research Methods	Spring	6
EDEM302	Mathematics Elective 1	Spring	6
EDEE302	Education Psychology: Effective Teaching and Learning	Spring	6
EDEI302	Advanced ITC in Education	Spring	6
EDEP302	PDHPE elective A	Spring	6
EDEC302	The Psychology of Exceptional Children	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	EDES302	K-6 Science and Technology Elective 1	Spring	6
	EDET302	Programming and Methodology in Second Language Teaching	Spring	6
	EDER302	Research Project in Education 1	Spring	6
	ECEB302	Physical Care and Development of Babies and Toddlers	Spring	6
	EDUE324	Gender and Social Justice	Spring	6
Commerce	Year 4 – Annual			
	ECPD401	Project in Early Childhood	Annual	12
	Year 4 – Autumn			
	ECFC401	Minor Project in Early Childhood	Autumn	6
Creative Arts	ECAL401	Advocacy and Leadership in Early Childhood	Autumn	6
	Pick 1 Subject From Elective B as listed below or from 200/300/400 level subjects in the General Schedule			
	EDEA401	Exploring Creativity in Music and Movement	Autumn	6
	EDEL401	Children's Literature in the Later Primary Years	Autumn	6
	EDEI401	Web-based Learning	Autumn	6
Education	EDEM401	Mathematics elective 2	Autumn	6
	EDEP401	PDHPE elective B	Autumn	6
	EDES401	Science and Technology –Use of ICT to Support Science and Technology	Autumn	6
	EDET401	Teaching Speaking and Listening to Second Language Learners	Autumn	6
	EDET402	Teaching in International Context	Autumn	6
Engineering	EDEY401	Youth, Culture and Education	Autumn	6
	Year 4 – Spring			
	ECKA402	Creative Arts in Early Childhood Settings	Spring	6
	Pick 2 Subjects from Elective C as listed below or from 200/300/400 level subjects in the General Schedule			
	EDEA402	Exploring Creativity Through Visual Arts	Spring	6
Health & Behavioural Sciences	EDEM402	Mathematics elective 3	Spring	6
	EDEL402	Critical Viewing and Production in Primary Years	Spring	6
	EDEH402	PDHPE elective - Health Promotion Linking Schools and Community	Spring	6
	EDEC402	Programming for Individuals with High Support Needs	Spring	6
	EDEV402	Innovation: Technology and the Arts		6
Informatics	EDEP402	PDHPE: Coaching and Sports Administration	Spring	6
	EDET402	Teaching Reading and Writing to Second Language Learners	Spring	6
	ECAL402	Early Language and Literacy Development	Spring	6
	Professional Recognition			
	The Bachelor of Early Childhood Education is currently under assessment for accreditation by Early Childhood Australia for all three levels mentioned in New South Wales Regulations, the New South Wales Department of Education & Training, the New South Wales Institute of Teachers, the New South Wales Department of Community Services and is a registered VETAB Early Childhood Teacher Education course.			
Law				
Science				

Bachelor of Early Childhood Education (Honours)

Testamur Title of Degree:	Bachelor of Early Childhood Education with Honours
Abbreviation:	BECEd (Hons)
Home Faculty:	Education
Duration:	1 year full-time or 2 years part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	TBA
UAC Code:	TBA
CRICOS Code:	TBA

Overview

Students who have achieved a high level of academic performance in the first 3 years of the Bachelor of Early Childhood Education may complete the fourth year of the Bachelor Early Childhood Education at Honours level. Students admitted to the Honours program will be expected to study over two sessions for a total of 48 credit points. The program requires the completion of 2 annual subjects, a 24 credit point thesis, ECRT401 – Thesis in Early Childhood, plus ECCR401 – Contemporary Research and Issues in Early Childhood 18 credit points, and one elective from 400 level elective offered in the Bachelor of Early Childhood Education Course Structure. Refer to subject listing for further information.

Bachelor of Education (Early Childhood Education)

Testamur Title of Degree:	Bachelor of Education (Early Childhood Education)
Abbreviation:	BEEd (Early Child)
Home Faculty:	Education
Duration:	1 year full-time or 2 years part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	882
UAC Code:	N/A
CRICOS Code:	012102F

Overview (for student enrolled prior to 2007)

Bachelor of Teaching (Early Childhood Education) graduates may qualify for the award of Bachelor of Education (Early Childhood Education) by completing a fourth year of study. The Bachelor of Education (Early Childhood Education) is designed to develop further the knowledge and skills acquired in the Bachelor of Teaching (Early Childhood Education) and covers 0-8 age range. Some subjects will be offered after 4.30 pm to allow students who are working during the day to take some of their course after school hours. Students who wish to attend university only in the evenings will need to enrol in the part-time mode.

Entry Requirements / Assumed Knowledge

The Bachelor of Education (Early Childhood Education) requires, as a pre-requisite, the successful completion of a Bachelor of Teaching (Early Childhood Education) or its equivalent. Entry is competitive and selection is based on overall academic achievement and performance in practical teaching experiences.

Course Program

Subjects	Session	Credit Points
Year 1 – Annual		
EDUT490 Project in Early Childhood*	Annual	12

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Year 1 – Autumn			
	EDUT432	Inquiry Project in Education*	Autumn	6
Commerce	EDUT490 and EDUT432 are compulsory subjects			
	*Plus two Elective Studies subjects to be chosen from the list below or from 200-/300-/400- level subjects in the General Schedule. Enrolment quotas apply to these subjects. Subjects that do not have sufficient enrolments will not run.			
Creative Arts	EDUA441	Creative Arts Key Learning Area Elective III	Autumn	6
	EDUL441	Language Education Key Learning Area Elective III	Autumn	6
Education	EDUM441	Mathematics Education Key Learning Area Elective III	Autumn	6
	EDUP444	Personal Development Health and Physical Education Key Learning Area Elective IV	Autumn	6
Engineering	EDUS411	Science and Technology Education Key Learning Area Elective III	Autumn	6
	EDUS441	Human Society and Its Environment Key Learning Area Elective III	Autumn	6
Health & Behavioural Sciences	EDUE401	Issues In Aboriginal Education (not to count with EDUE301/ABST361)	Autumn	6
	EDUE405	Assessing Performance in Adult Training	Autumn	6
Informatics	EDUE407	Inquiry Project in Physical and Health Education	Autumn	6
	EDUE408	Placement in Physical and Health Education	Autumn	6
Law	EDUE411	Disability Issues Across the Lifespan	Autumn	6
	EDUE413	Managing Multimedia Resources	Autumn	6
Science	EDUE415	School and Community Based Sustainable Development Practices	Autumn	6
	EDEK401	Teaching Speaking and Listening to Second Language Learners	Autumn	6
	EDET402	Teaching In International Contexts	Autumn	6
	Year 1 – Spring			
	Plus three Elective Studies subjects to be chosen from the list below or from 200/300/400- level subjects in the General Schedule. Enrolment quotas apply to these subjects. Subjects that do not have sufficient enrolments will not run.			
	EDUA442	Creative Arts Key Learning Area Elective IV	Spring	6
	EDUL442	Language Education Key Learning Area Elective IV	Spring	6
	EDUM442	Mathematics Education Key Learning Area Elective IV	Spring	6
	EDUP441	Personal Development Health and Physical Education Key Learning Area Elective III	Spring	6
	EDUS444	Human Society and Its Environment Key Learning Area Elective IV	Spring	6
	EDUE402	Aboriginal Pedagogy(not to count with EDUE302/ABST362)	Spring	6
	EDUE407	Inquiry Project in Physical and Health Education	Spring	6
	EDUE408	Placement in Physical and Health Education	Spring	6
	EDUE412	Programming for Individuals with Moderate to Severe Disabilities	Spring	6
	EDUE414	Cognition, Interface and Interactivity	Spring	6
	EDUE416	Environmental Education – Through Information Technology	Spring	6
	EDET302	Programming and Methodology in Second Language Teaching	Spring	6
	EDEK401	Teaching Reading and Writing to Second language Learners	Spring	6
Professional Recognition				
The Bachelor of Teaching (Early Childhood Education) is recognised by Early Childhood Australia for all three levels mentioned in New South Wales Regulations, the New South Wales Department of Education & Training, the New South Wales Department of Community Services and is a registered VETAB Early Childhood Teacher Education course.				

Bachelor of Education in Early Childhood Education (Honours)

Testamur Title of Degree:	Bachelor of Education (Early Childhood Education) with Honours
Abbreviation:	BEd (Hons)
Home Faculty:	Education
Duration:	1 year full-time of part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	883
UAC Code:	755111
CRICOS Code:	012102F

Overview (for student enrolled prior to 2007)

Students must have a high level of academic performance to be accepted into the Honours program. Students admitted to the Honours program will be expected to study over two sessions for a total of 48 credit points. The program requires the completion of two annual subjects, a 24 credit point thesis, EDUT 496 – Honours Thesis in Early Childhood, , plus EDUT 495 – Selected Topics in Early Childhood Education, and one elective from 400 level elective offered in the Bachelor of Education Course Structure. Refer to subject listing for further information.

Bachelor of Primary Education

Testamur Title of Degree:	Bachelor of Primary Education
Abbreviation:	BPrimEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	TBA
UAC Code:	TBA
CRICOS Code:	TBA

Overview

The BPrimEd is a new course commencing in 2007 and replaces the Bachelor of Teaching (Primary) and the 1 year Bachelor of Education (Primary) degrees. This course aims to develop reflective, professional teachers who can work effectively in a variety of educational settings including primary schools in both the public and private sectors. Core subjects are drawn from a number of different areas including: Professional Development, Education Foundation Studies, Teaching and Learning with Technology, Studies in the Key Learning Areas, and Elective Studies.

Elective choices are available from both within the Faculty and from the schedules of subjects offered by other Faculties. The course requires students to complete 12 credit points from outside the Faculty of Education.

While it is possible to complete the course on a part-time basis, students need to be aware that there could be timetable difficulties. Students intending to attempt the degree part-time should consult with the Director of Primary Education at enrolment.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, and any two units of Mathematics as part of their HSC or university studies, to gain registration as a teacher.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Course Requirements

Practical Teaching Experience

The course involves in-school and practical teaching experiences in each year. Practical teaching experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney schools. Opportunities to undertake a practical teaching experience in countries such as China, Fiji, Malaysia and Thailand may also be available.

Prohibited Persons Legislation

Teacher education students must complete a “Prohibited Employment Declaration” before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

This is a new course. Students who have commenced the Bachelor of Teaching course should refer to the program of study that applied at the time of their enrolment. Information is available at the Faculty of Education Web Page. www.uow.edu.au/educ/

Please check with Faculty for additional subjects and any changes.

Course program

Subjects	Session	Credit Points
Year 1 – Autumn		
EDPD101 Professional Development 1: The Learning Environment	Autumn	6
EDFE101 Educational Foundations 1: Learning & Development	Autumn	6
EDIC101 Teaching and Learning with Technology	Autumn	6
EDLL101 Language and Learning	Autumn	6
Year 1 – Spring		
EDKL102 Language and Literacy 1: The Early Years	Spring	6
EDKM102 Mathematics Content & Pedagogy 1	Spring	6
EDKS102 K-6 Science and Technology: Curriculum and Pedagogy	Spring	6
EDKH102 Human Society and Its Environment: New Times, New Practices	Spring	6
Year 2 – Autumn		
EDCM201 Classroom Management: Creating Positive Learning Environments	Autumn	6
EDKL201 Language & Literacy 2: Teaching Decoding and Encoding Skills	Autumn	6
EDKP201 PD/HPE Content & Pedagogy	Autumn	6
Outside Faculty Elective at 100 level.		
Year 2 – Spring		
EDPD202 Professional Development 2	Spring	6
EDKA202 Creative Arts Education	Spring	6
EDFE202 Educational Foundations 2: Social Cognition & Communication in Learning	Spring	6
Outside Faculty Elective at 100 level		
Year 3 – Autumn		
EDKM301 Mathematics Content & Pedagogy 2	Autumn	6
EDFE301 Educational Foundations 3: Sociology and Cultural Studies	Autumn	6
EDLE301 Learners with Exceptional Needs	Autumn	6
EDER301 Educational Research & Action Learning	Autumn	6
Year 3 – Spring		
EDKL302 Language & Literacy 3: The Later Primary Years	Spring	6
EDAE302 Aboriginal Education	Spring	6
EDTD302 Teaching for Diversity: G&T/NESB	Spring	6

Pick 1 Subject From Elective A as listed below or from 200/300 level subjects in the General Schedule

ECEB302	Physical Care and Development of Babies and Toddlers	Spring	6
EDAR302	Advanced Research Methods	Spring	6
EDEA302	Exploring Creativity Through Dance and Drama	Spring	6
EDEC302	The Psychology of Exceptional Children	Spring	6
EDEE302	Education Psychology: Effective Teaching and Learning	Spring	6
EDEI302	Advanced ITC in Education	Spring	6
EDEL302	Children's Literature in the Early Years	Spring	6
EDEM302	Mathematics Elective 1	Spring	6
EDEP302	PDHPE Elective A	Spring	6
EDER302	Research Project in Education 1	Spring	6
EDES302	K-6 Science and Technology Elective 1	Spring	6
EDET302	Programming and Methodology in Second Language Teaching	Spring	6
EDUE324	Gender and Social Justice	Spring	6

Year 4 – Autumn

EDPD401	Professional Development 3:	Autumn	6
EDSD401	Education for Sustainable Development	Autumn	6
EDFI401	Issues Beyond the Classroom	Autumn	6

Pick 1 Subject From Elective B as listed below or from 200/300/400 level subjects in the General Schedule

EDEA401	Exploring Creativity in Music and Movement	Autumn	6
EDEI401	Web-based Learning	Autumn	6
EDEK401	Teaching Reading and Writing to Second Language Learners	Autumn	6
EDEL401	Children's Literature in the Later Primary Years	Autumn	6
EDEM401	Mathematics Elective 2	Autumn	6
EDEP401	PDHPE Elective B	Autumn	6
EDER401	Research Project in Education 2	Autumn	6
EDES401	Science and Technology –Use of ICT to Support Science and Technology	Autumn	6
EDET401EDET402	Teaching Speaking and Listening to Second Language Learners Teaching English in International Contexts	Autumn	6
EDEY401	Youth, Culture and Education	Autumn	6

Year 4 – Spring

EDPD402	Professional Development 4: Internship	Spring	12
EDIC402	ICT as Cognitive Tools	Spring	6

Pick 1 Subject From Elective C as listed below or from 200/300/400 level subjects in the General Schedule

ECEL402	Early Language and Literacy Development	Spring	6
EDEA402	Exploring Creativity Through Visual Arts	Spring	6
EDEC402	Programming for Individuals with High Support Needs	Spring	6
EDEH402	PDHPE elective - Health Promotion Linking Schools and Community	Spring	6
EDEL402	Critical Viewing and Production in Primary Years	Spring	6
EDEM402	Mathematics elective 3	Spring	6
EDEP402	PDHPE: Coaching and Sports Administration	Spring	6
EDEK401	Teaching Reading and Writing to Second Language Learners	Spring	6
EDEV402	Innovation: Technology and the Arts	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Professional Recognition

The Bachelor of Primary Education degree is currently under assessment for accreditation by the New South Wales Institute of Teachers. On accreditation, the Bachelor of Primary Education will be recognised as a New South Wales Teaching credential and will also be recognised in most other Australian states and territories.

Bachelor of Primary Education (Honours)

Testamur Title of Degree:	Bachelor of Primary Education Honours
Abbreviation:	BPrimEd (Hons)
Home Faculty:	Education
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	TBA
UAC Code:	TBA
CRICOS Code:	TBA

Overview

Students who have achieved a high level of academic performance in the first 3 years of the Bachelor of Primary Education may complete the fourth year of the Bachelor Primary Education at Honours level. Students admitted to the Bachelor of Primary Education with Honours must enrol in 24 credit point subject EDRT401 - Thesis (annual) EDPD401 Professional Development 3, EDSD401 Education for Sustainable Development and EDPD402 Professional Development 4 – Internship. Students must have a high level of academic performance to be accepted into the Honours program.

Bachelor of Education (Primary Education)

Testamur Title of Degree:	Bachelor of Education (Primary Education)
Abbreviation:	BEd (Prim)
Home Faculty:	Education
Duration:	1 year full-time or 2 years part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	871
UAC Code:	N/A
CRICOS Code:	012102F

Overview (for student enrolled prior to 2007)

Bachelor of Teaching (Primary Education) graduates may qualify for the award of Bachelor of Education (Primary Education) by completing a fourth year of study. The Bachelor of Education (Primary Education) is designed to develop further the knowledge and skills acquired in the Bachelor of Teaching (Primary Education). Some subjects will be offered after 4.30 pm to allow students who are working during the day to take some of their course after school hours. Students who wish to attend university only in the evenings will need to enrol in the part-time mode.

Entry Requirements / Assumed Knowledge

The Bachelor of Education (Primary Education) requires, as a pre-requisite, the successful completion of a Bachelor of Teaching (Primary Education) or its equivalent. Entry is competitive and selection is based on overall academic achievement and performance in practical teaching experiences.

Course Program

Subjects		Session	Credit Points
Year 1 - Autumn			
Either			
EDUF421	Leadership and International Perspectives In Education	Autumn	6
Or			
EDUT422	Reflective Practice	Autumn	6
Plus one elective from any part of the Primary program including Key Learning Area electives, Discipline electives or a 200 or higher-level subject chosen from those on offer in any Faculty as well as the Faculty of Education in which the student's enrolment is accepted.			
Plus one subject selected from the following Key Learning Areas subjects.			
EDUA441	Creative Arts Key Learning Area Elective III	Autumn	6
EDUL441	Language Education Key Learning Area Elective III	Autumn	6
EDUM441	Mathematics Education Key Learning Area Elective III	Autumn	6
EDUP444	Personal Development Health and Physical Education Key Learning Area Elective IV	Autumn	6
EDUS411	Science and Technology Education Key Learning Area Elective III	Autumn	6
EDUS441	Human Society and Its Environment Key Learning Area Elective III	Autumn	6
Plus one subject selected from the Discipline Elective Studies subjects listed below.			
EDUE401	Issues In Aboriginal Education (Not to count with EDUE301/ABST361)	Autumn	6
EDUE405	Assessing Performance in Adult Training	Autumn	6
EDUE407	Inquiry Project in Physical and Health Education	Autumn	6
EDUE408	Placement in Physical and Health Education	Autumn	6
EDUE411	Disability Issues Across the Lifespan	Autumn	6
EDUE413	Managing Multimedia Resources	Autumn	6
EDUE415	School and Community Based Sustainable Development Practices	Autumn	6
EDET401	Teaching Speaking and Listening to Second Language Learners	Autumn	6
EDET402	Teaching English in International Contexts	Autumn	6
EDUT432	Project in Education	Autumn	6
Year 1 - Spring			
Either			
EDUF421	Leadership and International Perspectives In Education	Spring	6
Or			
EDUT422	Reflective Practice	Spring	6
Plus one elective from any part of the Primary program including Key Learning Area electives, Discipline electives or a 200 or higher-level subject chosen from those on offer in any Faculty as well as the Faculty of Education in which the student's enrolment is accepted.			
Plus one subject selected from the following Key Learning Area			
EDUA442	Creative Arts Key Learning Area Elective IV	Spring	6
EDUL442	Language Education Key Learning Area Elective IV	Spring	6
EDUM442	Mathematics Education Key Learning Area Elective IV	Spring	6
EDUP441	Personal Development Health and Physical Education Key Learning Area Elective III	Spring	6
EDUS444	Human Society and Its Environment Key Learning Area Elective IV	Spring	6
One subject selected from the Disciplines Elective Studies subjects listed below.			

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	EDUE402	Aboriginal Pedagogy (not to count with EDUE302/ABST362)	Spring	6
	EDUE406	Theories of Adult Learning	Spring	6
	EDUE407	Inquiry Project in Physical and Health Education	Spring	6
	EDUE408	Placement in Physical and Health Education	Spring	6
	EDUE412	Programming for Individuals with Moderate to Severe Disabilities	Spring	6
Commerce	EDUE414	Cognition, Interface and Interactivity	Spring	6
	EDUE416	Environmental Education - Through Information Technology	Spring	6
	EDET302EDEK401	Programming and Methodology in Second Language TeachingTeaching Reading and Writing to second Language Learners	SpringSpring	66
Creative Arts	EDUT432	Project in Education	Spring	6
	Professional Recognition The Bachelor of Education (Primary Education) degree is a recognised New South Wales teaching credential.			
Education	Bachelor of Education in Primary Education (Honours) Testamur Title of Degree: Bachelor of Education (Primary Education) Honours Abbreviation: BEd (Hons)-Prim Home Faculty: Education Duration: 1 year full-time or part-time equivalent Total Credit Points: 48 Delivery Mode: Face-to-face with online support Starting Session(s): Autumn Location: Wollongong UOW Course Code: 870 UAC Code: 755112 CRICOS Code: 012102F			
Engineering				
Health & Behavioural Sciences	Overview (for student enrolled prior to 2007) Students must have a high level of academic performance to be accepted into the Honours program. Students admitted to the Bachelor of Education (Primary Education) with Honours must enrol in EDUT 403 - Research Methods in Education in Autumn Session plus a 24 credit point subject EDUT 493 - Thesis (annual) plus 3 subjects chosen from 400 level subjects offered in the Bachelor of Education (Primary Education) course structure.			
Informatics				
Law				
Science	Testamur Title of Degree: Bachelor of Education (Physical & Health Education) Abbreviation: BEd (Phy/HlthEd) Home Faculty: Education Duration: 4 years full-time or part-time equivalent Total Credit Points: 192 Delivery Mode: Face-to-face with online support Starting Session(s): Autumn Location: Wollongong UOW Course Code: 804 UAC Code: 755101 CRICOS Code: 012101G			

Overview

This course is intended to provide a sound academic and professional training for teachers who wish to be employed in the areas of Personal Development, Health and Physical Education.

The course normally extends over a minimum period of four years, and offers specialist studies in the physical and behavioural sciences and socio-cultural foundations of human movement and their application to physical education in schools. Extensive studies in health education and personal development are offered in the course. The specialist subjects in the program are complemented by studies in dance, games, gymnastics, aquatics and track and field, together with fieldwork and practice teaching experience.

The course requires the aggregation of at least 192 credit points, with 48 credit points normally being undertaken in each year of full-time study.

The course contains core subjects, the study of which is mandatory and elective subjects, which allow an element of choice for the student. It should be noted that:

1. In each of the four years a period of mandatory practical teaching experience in schools is required.
2. Attendance is mandatory at tutorials, laboratory classes and excursions, unless given specific exemption by the Program Director.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Practical Teaching Experience

The course involves practical teaching experiences in each year. Practical teaching experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney schools. Opportunities to undertake a practical teaching experience in countries such as China, Fiji, Malaysia and Thailand or Western NSW may also be available.

Prohibited Persons Legislation

Teacher education students must complete a "Prohibited Employment Declaration" before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

Subjects		Session	Credit Points
Year 1 – Autumn			
EDFE101	Educational Foundations 1: Learning and Development	Autumn	6
EDUP123	Movement Concepts and Practices	Autumn	6
EDUP131	Systemic Anatomy	Autumn	6
EDUP153	Foundations of Personal Development, Health and Physical Education	Autumn	6
Year 1 – Spring			
EDIC101	Teaching and Learning with Technology	Spring	6
EDUP124	Skill Analysis and Performance I	Spring	6
EDUP132	Physiology	Spring	6
EDUP144	Health and Health Behaviour	Spring	6
Year 2 – Autumn			
EDUP223	Skill Analysis and Performance II	Autumn	6
EDUP235	Biomechanics for Educators	Autumn	6
EDUP243	Exploring Emotional Well-being	Autumn	6
EDUP255	Teaching Physical Education	Autumn	6
Year 2 – Spring			
EDUP224	Skill Analysis and Performance III	Spring	6
EDUP234	Exercise Physiology	Spring	6
EDUP246	Risk taking and Young People	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	EDUP256	Teaching Health Education	Spring	6
	Year 3 – Autumn			
	EDUP323	Advanced Skill Analysis I	Autumn	6
	EDUP333	Motor Learning	Autumn	6
	EDER301	Educational Research and Action Learning	Autumn	6
Commerce	EDUP392	Social and Cultural Perspectives of Physical Activity and Physical Education	Autumn	6
	Year 3 - Spring			
	EDUP324	Advanced Skill Analysis II	Spring	6
	EDUP346	Sexuality, Identity and Relationships	Spring	6
Creative Arts	EDUP355	Curriculum Perspectives and Issues in Personal Development, Health and Physical Education	Spring	6
	Plus: Any 6cp elective subject chosen from either the list of electives for the Bachelor of Education (Physical and Health Education), or any Education KLA or Discipline elective or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted.			
Education	Year 4 – Autumn			
	EDUP453	Professional Studies in Personal Development, Health and Physical Education	Autumn	6
	EDUP454	Physical and Health Education Extended Practicum	Autumn	6
	EDUP491	Theory and Application of Special Education in Physical and Health Education	Autumn	6
Engineering	Plus: Any 6cp elective subject chosen from either the list of electives for the Bachelor of Education (Physical and Health Education), or any Education Key Learning Area or Discipline elective or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted.			
	Year 4 – Spring			
	EDUP435	First Aid and Sports Medicine	Spring	6
	EDUP446	Contemporary Health Issues	Spring	6
Health & Behavioural Sciences	EDUP492	Leadership and Management in Physical and Health Education	Spring	6
	Plus: Any 6cp elective subject chosen from either the list of electives for the Bachelor of Education (Physical and Health Education), or any Education Key Learning Area or Discipline elective or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted. Below is a list of Electives for the Bachelor of Education (Physical & Health Education) for 3rd and 4th year. They are offered depending on staffing and sufficient enrolments. Enrolment quotas apply to these subjects. Check with Program Director for further details			
	EDUP313	Advanced Coaching and Administration	Autumn/ Spring	6
	EDUP361	Progress and Issues in Health and Health Promotion	Autumn/ Spring	6
Informatics	EDUP362	Issues in Drug Education	Autumn	6
	EDUP363	Stress Management	Spring	6
	EDUP381	Outdoor Education	Autumn	6
	EDUP382	Leadership and Management Skills in Outdoor Education	Spring	6
Law	EDUP368	Fitness Assessment and Exercise Prescription for Children	Spring	6
	EDUP367	Sport Studies II	Spring	6
	EDUP366	Independent Project in Physical and Health Education	Autumn/ Spring	6
	EDUP447	Sport Studies IFacilitating Peer Learning	AutumnAutumn/ Spring	66
Science	EDUE341			
	EDUP311	Principles and Practices of Coaching	Spring	6
Professional Recognition	EDUP312	Coaching Practicum	Autumn/ Spring	6
	The Bachelor of Education (Physical & Health Education) is recognised as a teaching credential in all Australian states and territories.			

Bachelor of Education in Physical and Health Education (Honours)

Testamur Title of Degree:	Bachelor of Education (Physical & Health Education) Honours
Abbreviation:	BEd(Hons)
Home Faculty:	Education
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	872
UAC Code:	N/A
CRICOS Code:	012101G

Overview

Students who have achieved a high level of academic performance in the first 3 years of the Bachelor of Education (Physical & Health Education) may complete the fourth year of the Bachelor of Education (Physical & Health Education) at Honours level.

Students admitted to the Bachelor of Education (Physical and Health Education) with Honours must enrol in EDUP430 – Project in Physical and Health Education (annual subject, 12 credit points)

Bachelor of Mathematics Education

Testamur Title of Degree:	Bachelor of Mathematics Education
Abbreviation:	BMathEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Loftus
UOW Course Code:	886
UAC Code:	755102
CRICOS Code:	051340B

Overview

The Bachelor of Mathematics Education course is directed towards providing pre-service educational training for secondary teachers. The degree focuses on developing secondary school teachers as critical reflective practitioners with a sound basis of practical teaching skills. In addition, this degree also develops mathematical concepts in a broad range of areas to provide a full Mathematics major in a specialisation of their choice that can be utilised in other community settings. The degree applies an innovative approach to provide students with both the mathematical knowledge/training and the teaching/educational training in an integrated fashion.

Students accepted into the program will study the following areas:

Educational Foundation Studies

Curriculum & Pedagogy

Discipline Studies in Mathematics

Teaching & Learning in Mathematics

The degree is structured to allow the integration of university and classroom experience throughout the course. Degree delivery includes lectures, tutorials, seminars and school-based workshops using alternative modes of delivery.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed Mathematics and any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Practical Teaching Experience

The course involves a total of 13 weeks of practical teaching experience and observation in secondary schools.

Prohibited Persons Legislation

Teacher education students must complete a "Prohibited Employment Declaration" before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course requirements

To teach Mathematics in NSW Government Schools, students need to have completed a minimum of 12 credit points at 100-level plus 18 credit points at 200-level in Mathematics as part of their teacher training program.

Course Program

For Odd Year Intake.

Subjects

Year 1 – Autumn

EDUT104 Introduction to Teaching and Learning

MATH187 Mathematics IA/Part 1

STAT131 Understanding Variation & Uncertainty

Elective from the General Schedule at 100 level

Year 1 – Spring

EDFE101 Education Foundations I: Learning & Development

MATH188 Mathematics 1A/Part 2

CSCI114 Procedural Programming

Elective from the General Schedule at 100 level

Year 2 – Autumn

EDLE301 Learners with Exceptional Needs

EDIC101 Teaching and Learning with Technology

MATH121 Discrete Mathematics

MATH201 Multivariate & Vector Analysis

Year 2 – Spring

EDUT204 Professional Mathematics Community 1

EDFE301 Education Foundations 3: Sociology & Cultural Studies

MATH202 Differential Equations

MATH111 Applied Mathematics Modelling

Year 3 – Autumn

EDER301 Educational Research and Action Learning

MATH203 Linear Algebra

MATH 200 Level elective

MATH 200 Level elective

Year 3 – Spring

EDUT304 Professional Mathematics Community II

EDUL312 Understanding the Literacy needs of Adolescents

MATH204 Complex & Group Theory

MATH 200 Level elective

Year 4 – Autumn

Session

Credit Points

Autumn

6

Autumn

6

Autumn

6

Spring

6

Spring

6

Spring

6

Autumn

6

Autumn

6

Autumn

6

Autumn

6

Spring

6

Spring

6

Spring

6

Spring

6

Autumn

6

Autumn

6

Autumn

6

Autumn

6

Spring

6

Spring

6

Spring

6

Spring

6

EDUP301	Issues in Health and Physical Activity	Autumn	6
EDUT405	Critical Approaches to Curriculum	Autumn	6
	MATH 300 Level elective	Autumn	6
	MATH 300 Level elective	Autumn	6
Year 4 – Spring			
EDUT404	Professional Mathematics Community III	Spring	12
INFO301	Secure & Reliable Digital Communications	Spring	6
	MATH 300 Level elective	Spring	6

Major Study Areas

Mathematics, educational theory and practice.

Professional Recognition

The Bachelor of Mathematics Education is recognised as a teaching credential in most Australian states and territories, as well as the UK, Asia and Canada.

Bachelor of Science Education

Testamur Title of Degree:	Bachelor of Science Education
Abbreviation:	BScEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Loftus Education Centre
UOW Course Code:	887
UAC Code:	755103
CRICOS Code:	051339F

Overview

The Bachelor of Science Education course is directed towards providing pre-service educational training for secondary teachers. The degree focuses on developing secondary school teachers as critical reflective practitioners with a sound basis of practical teaching skills. In addition, this degree also develops scientific concepts in a broad range of areas to provide a full Science major in a specialisation of their choice that can be applied in other community settings.

The degree applies an innovative approach to provide students with both the scientific knowledge/training and the teaching/educational training in an integrated fashion.

Students accepted into the program will study the following areas:

Educational Foundation Studies

Curriculum & Pedagogy

Discipline Studies in Science

Teaching & Learning in Science

The degree is structured to allow the integration of university and classroom throughout the course. Degree delivery includes lectures, tutorials, seminars and school-based workshops using alternative modes of delivery.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Assumed Knowledge – Mathematics (not General Mathematics) and any two units of English.

Recommended Studies – Four units of science selected from Chemistry, Physics, Biology or Earth and Environment.

Students with a limited background in these subjects or mathematics are advised to enrol in bridging courses held in February each year.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Course Requirements

Pattern Of Study

In choosing subjects for this degree the following points need to be considered:

Students need to complete 12 credit points at the 100 level in three of the four science disciplines on offer in Years 1 and 2. However, students majoring in Physics need to complete 12 credit points at the 100 level in two of the four science disciplines plus 6 credit points at the 100 level in one other science.

To teach in NSW Government Schools students need to have completed a minimum of two years in one science (24 credit points) plus one year in a second science (12 credit points), provided that one of the sciences is either Physics or Chemistry as part of their teacher training program.

Practical Teaching Experience

The course involves a total of 13 weeks of practical teaching experience and observation in secondary schools.

Prohibited Persons Legislation

Teacher education students must complete a “Prohibited Employment Declaration” before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

For Odd year intake:

Subjects

Year 1 – Autumn

Subjects	Session	Credit Points
EDUT104 Introduction to Teaching and Learning	Autumn	6
MATH141 Mathematics IC/Part 1	Autumn	6
or Mathematics IA/Part 1 for students taking Physics	Autumn	6
MATH187 General Mathematics 1A	Autumn	6
or for those without the prerequisite for entry		
MATH151		
Choose 2 of the following 3 subjects – 12 credit points in total		
EESC101 Planet Earth	Autumn	6
PHYS141 Physics 1A	Autumn	6
Elective 100 Level General Schedule subject	Autumn	6
Year 1 – Spring		
EDFE101 Education Foundations I: Learning & Development	Spring	6
SCIE101 Modern Perspectives in Science	Spring	6
Choose 2 of the following 4 subjects – 12 credit points in total		
EESC102 Earth, Environment & Resources	Spring	6
PHYS142 Physics 1B	Spring	6
ELECTIVE 100 level General Schedule	Spring	6
MATH142 Mathematics 1C/Part 2	Spring	6
or	Spring	6
MATH188 Mathematics 1A/Part 2 (compulsory for students continuing to higher levels in physics)		
Note: students are required to obtain a minimum credit level to enrol in MATH201		
Year 2 – Autumn		
EDLE301 Learners with Exceptional Needs	Autumn	6
EDIC101 Teaching and Learning with Technology	Autumn	6
Choose 2 of the following 4 subjects – 12 credit points in total		

CHEM101	Introduction to Physical/General Chemistry	Autumn	6
ELECTIVE	100 level General Schedule	Autumn	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
MATH201	Multivariate and Vector Calculus (compulsory for students continuing to higher levels in physics)	Autumn	6
Year 2 – Spring			
EDUT206	Professional Science Community I	Spring	6
EDFE301	Educational Foundations 3: Sociology and Cultural Studies	Spring	6
Choose 2 of the following 4 subjects – 12 credit points in total			
CHEM102	Introduction to Physical /Organic Chemistry	Spring	6
			6
ELECTIVE			6
BIOL103	Molecules, Cells and Organisms	Spring	6
MATH202	Differential Equations 2	Spring	6
Elective	(compulsory for students continuing to higher levels in physics)	Spring	
			from 100 level General Schedule
Year 3 – Autumn			
EDER301	Educational Research and Action Learning	Autumn	6
Elective	Must be from the Faculty of Education	Autumn	6
OR			
MATH203	Linear Algebra	Autumn	6
			(compulsory for students continuing to higher levels in physics)
			Science Elective (200 Level)
			Autumn 6
			Science Elective (200 Level)
			Autumn 6
Year 3 – Spring			
EDUT306	Professional Science Community II	Spring	6
EDUL312	Understanding the Literacy Needs of Adolescents	Spring	6
			Science Elective (200 Level)
			Spring 6
			Science Elective (200 Level)
			Spring 6
Year 4 – Autumn			
EDUP301	Issues in Health and Physical Activity	Autumn	6
EDUT405	Critical Approaches to Curriculum	Autumn	6
			Science Elective (300 Level)
			Autumn 6or8
			Science Elective (300 Level)
			Autumn 6or8
Year 4 – Spring			
EDUT406	Professional Science Community III	Spring	12
			Science Elective (300 Level)
			Spring 6or8
			Science Elective (300 Level)
			Spring 6or8

Major Study Areas

Education theory and practice, science.

Professional Recognition

The Bachelor of Science Education - is recognised as a teaching credential in most Australian states and territories as well as the UK, Asia and Canada.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

SUBJECT DESCRIPTIONS

ECAL401 Advocacy and Leadership in Early Childhood

Not on offer in 2007

Credit Points: 6

Pre-requisites: ECPA302 – Working with Adults: Teams and Transitions

Co-requisites: None

Subject Description: This subject will examine the complex responsibilities of early childhood leaders in delivering and advocating for quality programs and services for young children and their families. Recognition will be given to the current context of a market driven, competitive environment in early childhood and the need for specific skills and knowledge required to assist EC teachers as leaders in meeting organizational aims and objectives. Change management, human resources management, powerful communication, intrapersonal/self awareness, vision-building and sharing, motivation, knowledge-building and mentoring, lobbying & advocacy. There are specific library skills workshops integrated into the subject. Practicing early childhood educators will mentor in this subject.

ECCR401 Contemporary Research and Issues in Early Childhood

Not on offer in 2007

Credit Points: 18

Pre-requisites: None

Co-requisites: None

Exclusions: EDUT495

Subject Description: This subject will examine advanced research methods and deal with advanced theory in early childhood education and currently emerging issues in early childhood practice.

ECCT302 Contemporary Theories in Early Childhood

Not on offer in 2007

Credit Points: 6

Pre-requisites: EDFE101 and EDFE301

Co-requisites: None

Subject Description: Recognising the importance of the quality of interaction of early childhood educators with the children in their care, this subject will provide theoretical background and practical strategies for creating stimulating and safe personal and socio-emotional learning environments. It draws together key theoretical perspectives from sociology, cultural studies and socio-cultural work of theorists such as Vygotsky and Bruner to consider educational issues pertaining to theory and practice. Students will be studying current research on contemporary theories of early childhood education and the implications for promoting optimal learning and development of young children. The topics treated will include the quality of teacher-child interaction; children's self-efficacy and self-regulation; emotional development and resilience; creativity and motivation; peer collaboration; diverse nature of children's abilities, needs and backgrounds; and partnership with families.

ECEB302 Physical Care and Development of Babies and Toddlers

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUE342

Subject Description: This subject will critically examine the physical development of the baby and toddler and how this relates to the achievement of both gross and fine motor skills. Common physical problems that can influence this process will be explored. The subject includes the learning of practical skills to positively influence the baby/toddler's physical motor outcomes in the early childhood centre environment. Constructive play, appropriate day-to-day handling and working with parents and specialist staff will be included.

ECEL402 Early Language and Literacy Development

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject looks at early language development and literacy learning in the first five years of children's lives. Framed by a sociocultural approach to language and literacy learning, this subject emphasises the importance of children's contexts and everyday events that shape their language and literacy practices. The subject provides a strong and comprehensive theoretical perspective from which it identifies and develops teaching strategies, learning experiences, assessment procedures and resources for planning, implementing, evaluating and reflecting upon language and literacy experiences in prior-to-school settings.

ECFC401 Research Project in Education 2

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUT432 and EDER401

Subject Description: As a generic research project it is anticipated that students will negotiate a project individually with an academic supervisor. The inquiry may involve action research as applied in professional settings. Students will be required to plan, conduct and report upon an inquiry focused on an educational aspect. The focus may be in the Key Learning Area or another area approved by the academic supervisor. Skills in library research and critical analysis of selected educational literature will be developed.

ECFE101 Early Childhood Contexts

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The main objective of Early Childhood Contexts is to help students develop knowledge and understanding of the relationship between the political, economic and social factors influencing contemporary early childhood education and care. An examination of state-wide, national and international developments in policy, practice and research will be

Arts	<p>ECKH201 Human Society and Its Environment and Early Childhood</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Exclusions: EDUS104</p> <p>Subject Description: The key topics explored in this subject will include educationally based and will include issues such as policy, pedagogy, unit planning, assessment and evaluation plus issue based topics such as culture and identity, history and futures, environmental sustainability, citizenship, law and order, media and global education. Overall, the subject will challenge learners to explore what new learning, new pedagogies and new times have on our choices when teaching HSIE by addressing the question: what is the role of HSIE in education in the 21st century?</p>	<p>ECLL101 Developing Babies' and Toddlers' Language Interactions</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: This subject focuses on developing babies' and toddlers' interactions in early childhood settings. This subject emphasises the importance of recognising the everyday events that engage and foster babies and toddlers' interactions. The subject's theoretical perspective provides students with practical frameworks to guide appropriate and relevant approaches to developing interactions during routines as well as planned and unplanned experiences; and mapping growth and milestones in this aspect of babies' and toddlers' development. The relevance of partnerships with children's families is highlighted, along with strategies for developing such partnerships to help early childhood educators foster young children's interactions.</p>
Commerce		
Creative Arts	<p>ECKS202 Science and Technology in Early Childhood</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Exclusions: EDUS213</p> <p>Subject Description: Science education for early childhood assists students to understand themselves and their environments. It provides opportunities for them to develop independent rational thought and responsible action. It emphasises first hand experiences, inquiry, problem solving and clarifying understandings. This subject emphasises the use of science activities that contribute to the development of young children in early childhood settings. In particular science helps young children to develop relationships with others and the environment to support children's learning and well being according to The Practice of Relationship by NSW Department of Community Services (www.community.nsw.gov.au/documents/childcare_framework.pdf) for preschool settings and in school settings for stage 1 (K-3).</p>	<p>ECME101 Mathematics in Early Childhood</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Exclusions: EDUS122</p> <p>Subject Description: This subject provides the opportunity for Early Childhood pre service teachers to explore the teaching of mathematics in both the prior to school setting and the early years (K-2) of the primary school context in light of current theoretical approaches including the Dimensions of Quality Teaching (NSW Model of Pedagogy NSW Department of Education and Training, 2003) and the 'Count Me in Too' framework (NSW Department of Education and Training, 2004). This subject will focus on developing an understanding of the content and pedagogy which needs to be understood by effective teachers of mathematics in the early childhood setting. Whilst using the NSW Board of Studies Mathematics K-6 syllabus as a springboard, this subject will also look at cross curricula approaches to Mathematics teaching and learning such as incorporating thematic approaches and the use of literature, music, drama and ICT when planning, implementing and reflecting on authentic mathematical learning experiences in early childhood.</p>
Education		
Engineering		
Health & Behavioural Sciences	<p>ECLE102 Early Intervention and Young Children with Special Needs</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Exclusions: EDUF232</p> <p>Subject Description: The philosophy of Inclusion and the implementation of Early Intervention is having a strong influence on the services provided for young children with exceptional needs and their families. Young children and their families are now accessing all early childhood settings. It is critical, therefore that all early childhood educators understand and are able to respond to the special needs of these young children and their families. This subject aims to develop an understanding of the need of exceptional children and their families in all early childhood settings. There will be an emphasis on practical strategies and techniques to meet these needs. Also the theory that underpins the inclusion movement and the empowerment of families will also be analysed.</p>	<p>ECPA302 Working with Adults - Teams and Transitions</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: ECFE101 - Early Childhood Contexts</p> <p>Co-requisites: None</p> <p>Subject Description: This subject will examine the complex responsibilities of early childhood teachers in working with other adults to deliver quality programs and services to young children and their families. Since early childhood teachers are expected to function as members of teams in most settings in which they work, they must acquire the ability to work with other adults. This subject will prepare early childhood educators to fulfil the roles of organizational communicator, collaborative learner, team worker, (action) researcher and supervisor of staff. Topics including group dynamics, conflict resolution, team building and leadership, human resources management, and effective</p>
Informatics		
Law		
Science		

communication with parents and other professionals in a multicultural, global environment will be covered. Approaches to course delivery emphasise a student's autonomy and critical reflection in his/her learning.

ECPD102 Observing children

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDFE101

Co-requisites: None

Exclusions: EDUF106 and EDUF201

Subject Description: Students will develop knowledge of, and skills in a range of observational methods that can be used to document children's development. Methods will include running records, anecdotal records, time and event sampling, checklists and rating scales. Students will explore the developmental areas used to understand children's development. Students are required to develop an awareness of a range of appropriate categories and methods of observation within each developmental area to gain the most accurate and holistic understanding of children's development. Ethical considerations will be addressed. Students will explore practical issues when planning, implementing and evaluating quality learning experiences for children based on observation. This subject is connected to practicum in early childhood settings where the student will be able to apply the knowledge and skills of observing children acquired in the subject.

ECPD302 Curriculum Planning and Development for Evidence-Based Practice

Not on offer in 2007

Credit Points: 6

Pre-requisites: ECFE101 - Early Childhood Contexts

Co-requisites: None

Subject Description: This subject examines contexts, processes and practices related to designing, implementing and evaluating curricula for 0-8 year-olds in prior-to-school and school settings. The subject develops critical and evaluative awareness of the many influences that impact curriculum across different early childhood settings. It examines the notion of evidence-based practice and provides means for planning and implementing such practice in prior-to-school and school settings. Strategies for organising time and space as well as the social environment are considered. Frameworks for planning, implementing and evaluating early childhood curriculum are provided, and their relative appropriateness and effectiveness in different early childhood centres discussed.

ECPD401 Project in Early Childhood

Not on offer in 2007

Credit Points: 12

Pre-requisites: None

Co-requisites: None

Exclusions: EDUT490

Subject Description: This subject deals with the theory and practice of action research in early childhood classrooms and other institutions for young children. Students will undertake an action research project on an approved topic. It should be noted that 'action research' is also known as 'practitioner research' and 'evidence-based reflective practice'.

ECRT401 Early Childhood Honours Thesis

Not on offer in 2007

Credit Points: 24

Pre-requisites: WAM: of at least 75

Co-requisites: None

Exclusions: EDUT496

Subject Description: Student will be required to complete a thesis, based upon a course of supervised study on a topic chosen by the student and approved by the supervisor and the Faculty Research Committee. This thesis can take the form of a qualitative, quantitative, or mixed-mode research project.

EDAE302 Aboriginal Education

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Aboriginal Education offers pre-service teachers an opportunity to individually examine their socially constructed values, attitudes and ideas about Aboriginal Australia and how these manifest into the education setting. Students will explore key themes of colonialism, identity and representation. The subject will examine how these dimensions are embedded into the cultural, political and institutional practices of teachers work. Students will develop an understanding of the historical relationship between Aboriginal and non Aboriginal Australia including the impacts of various government policies and practices, particularly in education. Students will examine key policy directions, including curriculum and pedagogical practices that address the learning needs of Aboriginal students. The NSW Quality Teaching Model and Institute of Teachers Professional Teaching Standards will provide a framework and benchmark for pre-service teachers to develop their professional knowledge, professional practice and professional commitment in the broad field of Aboriginal Education.

EDAR302 Advanced Research Methods

Not on offer in 2007

Credit Points: 6

Pre-requisites: EDER301

Co-requisites: None

Exclusions: EDUT403

Subject Description: This subject will enhance students' knowledge and skills in conducting research in the context of education and related areas. The chief topics include: • The process of problem setting, of generating questions and hypotheses. • The underlying assumptions of a range of research designs and related methodologies and their practical applications as research technologies. Students will be provided with opportunities to develop skills in quantitative and qualitative data gathering techniques in the context of their particular backgrounds and research interests. A modular approach will allow students to follow areas of interest in greater depth.

EDCM201 Classroom Management: Creating positive learning environments

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will focus on

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>curriculum and content knowledge in PDHPE. Topics will include: • Current health issues impacting on children • Planning and pedagogy in PDHPE: creating safe and inclusive classrooms, developing resilient learners, catering for diversity, dealing with sensitive and controversial issues, the Health Promoting School Framework Subject specific knowledge: mental and emotional health, safe living, healthy choices, self and relationships, fundamental movement skills, promoting lifelong physical activity, gymnastics, games and dance</p>	<p>to date research to achieve a synthesis of psychological constructs and understanding of the needs of children with exceptionalities in education settings.</p>
Commerce	<p>EDEA302 Exploring Creativity through Dance and Drama</p> <p><i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: EDUA224 Subject Description: This subject provides experiences for students through the exploration of the roles, elements and forms of dance and drama in a variety of contexts.</p>	<p>EDEC402 Programming for Individuals with Higher Needs</p> <p><i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDLE301 - Learners With Exceptional Needs Co-requisites: None Exclusions: EDUF412 Subject Description: This subject examines up to date teaching strategies and individualised assessment techniques for children with special needs in the high support needs end of the spectrum. The topics covered a range of special needs in a range of settings where children with high support needs have been enrolled. All students will need to show proficiency in individualising programming and conducting a functional behavioural assessment. They will also have to undertake a voluntary practicum in a setting where educational services are offered to children with high support needs.</p>
Creative Arts		
Education	<p>EDEA401 Exploring Creativity in Music and Movement</p> <p><i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDKA202 Co-requisites: None Exclusions: EDUA441 Subject Description: This subject provides experiences for students through the exploration of roles, elements and forms of music in a variety of contexts.</p>	<p>EDEE302 Educational Psychology Effective Teaching & Learning</p> <p><i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDFE101 and EDFE202 or 12 credit points of related 100 level study Co-requisites: None Exclusions: EDUE323 and EDUC213 Subject Description: The focus of this elective subject is on the cognitive, emotional and social needs of children within contemporary Australian school settings and on strategies that promote a supportive learning environment for all students. Topics cover major theories of development, the processes involved in learning and a range of personal and social factors that affect the engagement of students with learning activities. This subject aims to provide an understanding of the relationships between theory, research and practice in the field of educational psychology.</p>
Engineering	<p>EDEA402 Exploring Creativity Through Visual Arts</p> <p><i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDKA202 - Creative Arts Education Co-requisites: None Exclusions: EDUA331 Subject Description: Through contemporary Australian art students will explore the role of the artist, the critic and the viewer. This subject will involve making art, appreciating and critically analysing artworks. Student's personal artmaking and appreciating will be broadened through on-site gallery visits and studio experiences. Specifically students will explore the role of the artist (including female artists and contemporary indigenous artists) and alternate ways of looking.</p>	
Health & Behavioural Sciences		
Informatics	<p>EDEC302 The Psychology of Exceptional Children</p> <p><i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDFE101&EDFE202 (ED students) or 12cp at 100 level for Arts students Co-requisites: None Exclusions: EDUE322 and EDUC217 Subject Description: This subject applies psychological areas of research and theory to children with exceptionalities. It examines a range of exceptionalities, such as AD(H)D, Cerebral Palsy, Challenging Behaviour and Gifted and Talented. Also, contentious areas in the area of study are addressed through a series of debates. The emphasis is on using up</p>	<p>EDEH402 PDHPE Elective - Health Promotion: Linking School and Community</p> <p><i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: EDUC308 - PDHPE Health Promotion Subject Description: The theoretical background that underpins health promotion will be studied along with the latest research that reinforces the notion of health promotion. This subject will examine the concept of health promotion with direct links to the K-6 PDHPE syllabus. The emphasis will be on students acquiring skills in program development and implementation. The Health Promoting Schools framework will be the basis for examining how the school and community can work together to implement effective health promotion programs for children. Content will include: sociocultural factors affecting</p>
Law		
Science		

213

Arts	<p>Subject Description: This is the second of three mathematics elective subjects in the BEd degree that focuses on the learning and teaching of mathematics for children in K-6. In this subject, pre-service teachers will be introduced to recent reforms in K-6 mathematics and the emergence of issues that impact on practice including language and mathematical understanding, discourse in mathematics, ethno-mathematics and the use of ICT.</p>
Commerce	<p>EDEM402 Mathematics Elective III <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDKM102 and EDKM301 Co-requisites: None Exclusions: EDUM441, EDUM442 Subject Description: This subject aims to examine the core dimensions of the Quality Teaching framework in the context of K-6 mathematics. Notions of deep and substantive understanding of concepts and strategies to scaffold these attributes will be analysed within authentic learning activities. Pre-service teachers will work on problem-based tasks and develop expertise in evaluating aspects of practice.</p>
Creative Arts	
Education	<p>EDEP302 PDHPE Elective A <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: EDUP335 Subject Description: In this elective, the PDH component will follow the theme of promoting positive mental health. Mental health includes many issues, however some specific issues which will be covered, include: health promoting school, resilience, interpersonal relationships, growth and development, self esteem, media messages. The PE component will highlight and encourage the promotion of lifelong physical activity. The Games Sense and Technique Based approaches to teaching physical education will be examined. In addition, important aspects of movement and self expression in the primary school will be covered. Opportunities will exist for students to identify ways to create an effective learning environment in PDHPE with an emphasis on classroom management, evaluation and individual education programs.</p>
Engineering	
Health & Behavioural Sciences	
Informatics	<p>EDEP401 PDHPE Elective B <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDKP201 Co-requisites: None Exclusions: EDUP226 Subject Description: Students who undertake this subject will understand and apply content and concepts relevant to the teaching of PDHPE. To this end they will explore a range of relevant and contemporary health issues, which relate to young people in the primary school setting. Content will be taken from but not restricted to, the areas of Safe Living and Personal Health Choices. The subject will also afford students the opportunity to develop skills in programming and planning for an effective learning environment and demonstrate this through an in school teaching experience. In</p>
Law	
Science	

addition, students will identify a range of teaching strategies to utilise in the in-school setting and will use sound reflective practices to analyse their teaching.

EDEP402 PDHPE: Coaching and Sport Administration - Elective C

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUE307 – Coaching and Sport Administration

Subject Description: This subject introduces the general principles of coaching and sport administration and links it to the community and school setting. Students will have examined coaching strategies, participated in practical coaching sessions, undertake a coaching course or equivalent assessment and complete work in sport administration or volunteer management. In coaching topics include: role of the coach, planning, teaching sports skills, group management, communication, physical conditioning, sport safety and the law and other optional units. A range of practical topics are also included. In administration topics include: planning, committee management, legal issues and risk management, conducting meetings, financial management, marketing, fundraising and event management. These topics will be linked to school and community settings.

EDER301 Educational Research and Action Learning

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject builds on the premise that beginning teachers are required to be reflective practitioners and inquirers. The capacity to read and make sense of research is an important professional attribute. The subject aims to provide a starting point and practical insights into the day-to-day decision making of educators. The content will follow the order and logic that experienced researchers take in order to ensure quality in their research, and that it is valid, reliable, ethical, useful and socially responsible. Given the professional skills required by teachers, the subject pays particular attention to the elements involved in action research.

EDER302 Research Project in Education 1

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUT432

Subject Description: As a generic research project it is anticipated that students will negotiate a project individually with an academic supervisor. The inquiry may involve action research as applied in professional settings. Students will be required to plan, conduct and report upon an inquiry focused on an educational aspect. The focus may be in the Key Learning Area or another area approved by the academic supervisor. Skills in library research and critical analysis of selected educational literature will be developed.

EDER401 Research Project in Education 2*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** None**Co-requisites:** None

Exclusions: EDUT432 and ECFC401

Subject Description: As a generic research project it is anticipated that students will negotiate a project individually with an academic supervisor. The inquiry may involve action research as applied in professional settings. Students will be required to plan, conduct and report upon an inquiry focused on an educational aspect. The focus may be in the Key Learning Area or another area approved by the academic supervisor. Skills in library research and critical analysis of selected educational literature will be developed.

EDES302 K-6 Science and Technology Elective A*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** EDKS102 or ECKS202**Co-requisites:** None

Exclusions: EDUS333

Subject Description: This subject provides an opportunity for preservice students to teach Science and Technology in the authentic context of school classrooms. Students are encouraged to plan, implement and evaluate six lessons from one of the broad strands of Science and Technology and focus on areas such as Investigating Scientifically, Designing and Making, the Natural Environment and The Made Environment. There are three phases in the elective: (i) in weeks 1-4 of the subject students will plan six lessons of Science and Technology based on input from classroom teachers; (ii) in weeks 5-11 of the subject student teach the lessons in real school classrooms; and (iii) In weeks 12 and 13 students will reflect and evaluate these lessons as well as sharing teaching experiences. The theoretical basis for teaching will be based upon the NSW Model of Pedagogy NSW Department of Education and Training or what has also been called the Quality Teaching Framework which students will need to incorporate into their planning and teaching.

EDES401 Use of ICT to Support Science and Technology*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** None**Co-requisites:** None

Subject Description: Modern teachers are expected effectively use ICT to support learning activities in science and technology. The content will follow the suggestions that experienced researchers make in order to create high quality ICT supported learning environments in science and technology. It will also link to the content strands of the NSW Science and Technology K-6 Curriculum. The professional skills required by students in this subject pay particular attention to the use of ICT application tools to gather and display information, analyse data and record science and technology related activities.

EDET302 Programming and Methodology in Second Language Teaching

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None

Exclusions: EDUE319

Subject Description: This subject provides participants with a foundation and framework for the successful teaching of English as a second (or other) language. It encourages them to make decisions about appropriate classroom strategies across the curriculum, gives insight into current debates within the field and suggests a direction for future thinking. The subject covers: 1. The social, political and educational context of TESOL. 2. Second language acquisition, learning and pedagogy. 3. The social foundations of language and learning including a description of language. 4. The context sensitive nature of second language pedagogy. 5. The analysis of classroom environments. 6. Assessment of spoken and written language. 7. The development and evaluation of language teaching programs. 8. Working effectively with educators in a range of disciplines ACTA Competencies for beginning ESL teachers

EDET401 Teaching Speaking and Listening to Second Language Learners

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** EDET302 or EDUE319**Co-requisites:** None

Exclusions: EDUE329 and EDUE335

Subject Description: Students will gain an understanding of spoken discourse, the nature of spoken interaction, the differences between speech and writing and the ways in which oral fluency fosters language development. The subject also addresses the different ways in which spoken discourse can be studied covering critical and other traditions of discourse analysis, multimodal and ethnographic approaches. The subject presents an overview of recent research and developments in the teaching of listening and speaking and how these areas can be taught in an integrated way making use of computer and other technologies and approaches.

EDET402 Teaching English in International Contexts

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None

Subject Description: Students will gain an overview of the changing contexts of English Language Teaching internationally and of the issues relating to English as a global language. There would be a focus on specific issues such as teaching young learners (with the development of English teaching at elementary level) and the use of appropriate methodologies in exam-based systems. Cross-cultural communication skills and issues of culture in language teaching would also be addressed. Students would have the flexibility to research specific countries and key issues that cut across national boundaries.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	EDEV402 Innovation: Technology and The Arts (Elective C) <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDIC101 – Learning and Teaching With Technology Co-requisites: None Exclusions: EDUA442 Subject Description: This elective explores innovative applications of technology and creativity through visual arts education. The subject allows students new ways of communicating through the practical applications of emerging technologies and tools such as digital media, multimedia, digital cameras, image manipulation and video/movie production. Students' skills will be developed and supported for practical application in classroom settings.			EDFE202 Education Foundations 2: Social Cognition & Communication in Learn <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDPD101 Co-requisites: None Exclusions: EDUF311 Subject Description: Recognising the importance of teachers' ability to communicate effectively with their students, this subject will provide theoretical background and practical strategies for creating positive social, emotional and personal learning environments. The subject will focus on effective communication in the classroom and its impact on students' learning. The topics treated will include the quality of teacher-student interaction; peer collaboration; communication with families; students' self-awareness and self-efficacy; creativity and motivation; metacognition and self-regulation for life-long learning; emotional intelligence and resilience.
Commerce				
Creative Arts	EDEY401 Youth, Culture and Education <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDFE301 Co-requisites: None Exclusions: EDUE325 and EDUC291 Subject Description: This subject will introduce students to the study of youth culture and education. The subject will analyse the impact of changing cultures on youth and education in Australia. Changing social expectations, values and practices related to youth and the education system will be examined. The central role of language in the construction of identity will be explored. Students will be required to develop an understanding of 'youth culture' and issues of difference in education. Provision will be made for students to focus on issues relating to a range of age groups, including provision for early childhood.			EDFE301 Educational Foundations 3: Sociology & Cultural Studies <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDFE101&EDFE202 (ED students) or 12cp at 100 level for Arts students Co-requisites: None Exclusions: EDUF212 Subject Description: A selection of theoretical perspectives will be presented that draw from sociological and cultural studies traditions. Students will become familiar with key NSW DET policies. The role of education in issues such as gender, class, 'race', ethnicity and ability is considered. Contemporary issues such as 'inclusion', issues in schools and families, perceptions of gender and sexualities, cultural diversity, and the use and critique of technology and mass medial will be provided.
Education				
Engineering				
Health & Behavioural Sciences	EDFE101 Education Foundations 1: Learning and Development Spring Loftus On Campus Autumn Wollongong On Campus Autumn Shoalhaven On Campus Autumn Bega On Campus Autumn Batemans Bay On Campus Autumn Moss Vale On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Recognising the importance of teachers knowing their students and how they learn, this subject will introduce students to the physical, social, emotional, moral and cognitive development of children and youth. The subject will address major theories in development and learning, research related to these theories, and the implications of these theories for educational practice. Related issues of child protection and safety, and individual and group differences will also be incorporated into the subject. The aim of the subject is to provide a sound theoretical foundation for further studies in education.			EDFI401 Issues Beyond the Classroom <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: • Educational Leadership • School climate and culture • Leadership for Quality Teaching • Distributed/teacher leadership • Educational change and school improvement • Teachers' professional learning • Learning communities • Leadership preparation • Current Issues and Policy Debates Selection of current issues, e.g.: o A national curriculum? o Testing, outcomes, standards and mandatory reporting o Teacher accreditation (NSWIT, Teaching Australia) o Public and non-government education o Stakeholder involvement o Other current issues • International Comparisons, Trends and Perspectives o International educational performance trends and indicators o Comparative education o Globalisation and education
Informatics				
Law				
Science				EDIC101 Learning and Teaching with Technology Autumn Wollongong On Campus Autumn Loftus On Campus Spring Wollongong On Campus Credit Points: 6

Pre-requisites: None
Co-requisites: None
Subject Description: This subject will allow students to explore the use of a variety of technologies used in primary and secondary students' learning and organize it with their program portfolio. This subject will provide students with the opportunity to learn about and reflect critically on the support provided by information technology to the teacher in her/his professional activity and career as well as the role of a variety of technologies in creating innovative and engaging learning environments.

EDIC402 ICT as Cognitive Tools

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: EDIC101

Subject Description: In the subject, ICT as Cognitive Tools, students will develop in-depth knowledge and pedagogical skills related to the use of ICT as tools for problem solving (so that they learn to assist their students to learn with technology rather than from it). Students will learn and apply values and ethics related to the educational use of technology, and related products (such as fair and appropriate use of copyright works). Students will prepare for their own inservice professional development by participating in a supported and mentored community of practice while on practicum. Lastly, students will finalise and review the quality of their own e-portfolios to reflect their learning over the four years of their course.

EDKA202 Creative Arts Education

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUA201

Subject Description: This subject provides experiences for students in making, appreciating and valuing the creative arts. Theories and research of children's artistic development and learning will be explored. An understanding of the creative process and its application to the K-6 classroom setting will be developed through sequenced learning experiences in visual arts, music, dance and drama.

EDKH102 Human Society and Its Environment: New Times, New Practices

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUS104 and EDUS203

Subject Description: This subject introduces pre-service teachers to the concept of learning and teaching in the curriculum area known in NSW as Human Society and Its Environment. The local and global policy environment relating to this field of study (also known as Studies of Society and Environment) will be the framework from which the subject will be launched. Human Society and its Environment will ask pre-service teachers to develop their own philosophy and practice to teaching and learning HSIE within the context of a dynamic and rapidly changing global human culture with its historical, social and environmental dimensions. The exploration

of these dimensions will be through critical, socially just and participatory perspectives where challenging values, attitudes and biases in classrooms will be a key component. An inquiry-based and integrated model of learning will support the teaching and learning program. The key topics explored in this subject will include educationally-based issues such as policy, pedagogy, unit planning, assessment and evaluation plus issue-based topics such as culture and identity, history and futures, environmental sustainability, citizenship, law and order, media and global education. Overall, the subject will challenge learners to explore what new learning, new pedagogies and new times have on our choices when teaching HSIE by addressing the question: what is the role of HSIE in education in the 21st century?

EDKL102 Language and Literacy 1: The Early Years

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUL101

Subject Description: Language and Literacy I focuses on teaching reading and writing in the early years of school. It does so through the lens of a social model of literacy. Reading and writing, and the interconnectivity between these practices will be examined in terms of phonics, text conventions and other basic skills; interpreting and making meaning from texts of all kinds; reading for a range of purposes; and critically reading 'between the lines'. As these are examined in theory, how teachers teach reading and writing at school will also be critiqued. Explicit links to the relevant Syllabus documents, as well links to other subjects in first session and links to in-school experiences will be developed.

EDKL201 Language and Literacy 2 - Teaching Encoding & Decoding Skills

Not on offer in 2007

Credit Points: 6

Pre-requisites: EDKL102

Co-requisites: None

Subject Description: This subject builds on the first year subject that introduces spoken language development and a framework for identifying literacy practices. It is designed to teach students how to both assess and teach phonological awareness (with particular reference to phonemic awareness); letter-sound knowledge; word recognition skills; vocabulary and fluency, all of which lead to comprehension and the development of critical literacy. Students will be taught how to use a range of formal and informal assessment instruments including the Sutherland Phonological Awareness Test – Revised (SPAT-R); the Astronaut Invented Spelling Test (AIST); the Educcheck; miscue analysis; running records and "one-minute reads". Grammatical features of English are described and students are engaged in exploring these features in relation to children's writing and texts at school. Aspects that are covered include clauses, noun groups, verb groups, adverbials and text organization, cohesions and grammatical patterns.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	EDKL302 Language and Literacy 3: the Later Primary years <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDKL102 and EDKL201 Co-requisites: None Subject Description: Language and Literacy III focuses on teaching reading and writing in the later years of primary school. It does so through the lens of a social model of literacy. Reading and Writing, and the interconnectivity between these practices will be examined in terms of phonics, text conventions and other basic skills; interpreting and making meaning from texts of all kinds; reading for a range of purposes; and critically reading 'between the lines'. As these are examined in theory, how teachers teach reading and writing at school, assess, program and plan will also be critiqued. Explicit links to the relevant Syllabus documents, as well links to other subjects in first session and links to weekly in-school visits will be developed. The subject culminates into a three week block school practicum.	EDKS102 K-6 Science and Technology: Curriculum and Pedagogy Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: EDUS102 Subject Description: In this subject students will develop an understanding of the K-6 syllabus for Science and Technology, learn discipline knowledge and learn about ways of teaching the subject (pedagogy). It introduces science as a subject that is concerned with finding out about the world in a systematic way and introduces technology as being concerned with the purposeful and creative use of resources in an effort to meet perceived needs or goals. Students are encouraged to use an enquiry-based approach and focus on the foundation areas of Investigating Scientifically, Designing and Making, the Natural Environment and The Made Environment from the syllabus across different stages. The philosophical basis for teaching is social constructivism whereby students are encouraged to reflect upon and understand their prior beliefs about teaching science which is then scaffolded by interactions with the lecturers and peers.
Commerce		
Creative Arts		
Education	EDKM102 Mathematics Content and Pedagogy 1 Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: EDUM201 Subject Description: The subject introduces students to fundamental concepts of mathematics and mathematics education including learning and teaching mathematics, programming mathematics and assessment strategies. The content for the subject will focus on numbers, operations and measurement. Students will be provided with opportunities to explore the Count Me In Too program in the classroom. Students will become familiar with the NSW Mathematics K-6 syllabus and how it can be used in planning, teaching and assessing mathematics.	
Engineering		
Health & Behavioural Sciences	EDKM301 Mathematics Content and Pedagogy II <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDKM102 Co-requisites: None Exclusions: EDUM201 Subject Description: The subject introduces students to fundamental concepts of mathematics and mathematics education including learning and teaching mathematics, programming mathematics, assessment strategies. The content for the subject will focus on pre-algebra, space and geometry data and the development of numeracy skills. Students will extend their understanding of NSW Mathematics K-6 syllabus focussing on processes such as mathematical reasoning, problem solving and problem posing.	
Informatics		
Law		
Science	EDKP201 Personal Development, Health & Physical Education Content & Pedagogy <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None	EDLE301 Learners With Exceptional Needs <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDFE101 Co-requisites: None Exclusions: EDUF204 Subject Description: The philosophy and implementation of inclusive practices rather than segregation is having a strong influence on the education of learners with exceptional needs. Students with widely ranging levels of ability are now educated in regular classrooms. It is critical, therefore, that all teachers understand and are able to respond to the special needs of these learners. This course aims at developing teaching skills which address the needs of students with a range of special educational needs who spend at least some time in regular classrooms. The emphasis throughout is on structuring the regular classroom and developing appropriate teaching strategies so that the needs of students with a wide range of abilities are addressed.
	EDLL101 Language and Learning Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject recognises that	

language is central to the learning process. It develops understandings of the role of language in learning and the different roles played by spoken and written language. Students will investigate the language demands of the different Key Learning Areas and develop a repertoire of teaching strategies to assist students in meeting these demands. The subject will take into account the nature of the learner, including CALD students and students experiencing difficulties with oral and written language. The language needs of the Education students themselves will be addressed as they come to grips with the language demands of academic and classroom contexts.

EDPD101 Professional Development 1: The Learning Environment

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUT111 and EDUT121

Subject Description: This subject introduces the concept of the learning environment as the physical, psychological, social & intellectual setting that enables and constrains learning. It looks at the learning environments in both the mentoring schools and the course, of which this semester is the beginning. It makes an assessment of the student teachers' prior knowledge of curriculum content and beliefs. It sets out in an integrated fashion an introduction to the curriculum, the 6 KLA syllabuses and some mandatory policies, and the work of teachers in constructing effective learning environments through pedagogical and management strategies.

EDPD202 Professional Development 2

Not on offer in 2007

Credit Points: 6

Pre-requisites: EDPD101

Co-requisites: None

Exclusions: EDUT211

Subject Description: Diagnosis of professional competency, Integrated programming, including current practices such as COGS, e-portfolio development, parent and community interactions

EDPD401 Professional Development 3

Not on offer in 2007

Credit Points: 6

Pre-requisites: EDPD101

Co-requisites: None

Subject Description: 1. Values education • Values education statements from syllabi, school systems, governments and professional associations • Pedagogical strategies such as values clarification and moral dilemmas 2. The law and education • Duty of care • Student-teacher relationships • Supervision • Assessment and reporting • Child protection rationales and requirements • Safe working environments • Educational malpractice • Custody and access 3. Ethics and education • System and professional association statements of professional/teacher ethics • Ethical positions and approaches • Values clarification of students' own positions Case studies and hypothetical situations

EDPD402 Professional Development 4

Not on offer in 2007

Credit Points: 12

Pre-requisites: EDPD101, EDPD202 and EDKL302

Co-requisites: None

Subject Description: This is a core subject. The Internship Program provides students with an opportunity to acquire a higher level of formal practical experiences within the framework of the New South Wales Institute of Teachers Professional Standards. Because the "Internship" has been specifically designed to lift students' practical skills to a level beyond the Third Year Practicum, it provides a significantly different set of field-based learning experiences, involving both classroom teaching, and classroom research to support school curriculum policy initiatives (such as implementation of different KLA's) and school-wide management agendas. This provides extra skills that will improve interns' professional portfolios. The content of this subject includes face-to-face lectures, tutorials, online support and an extended field experience to be known as the internship. Interns are appointed as full time, qualified supernumerary teachers for 25 days in Session 2 (i.e. School term 3) in schools, which are in partnership with the University.

EDRT401 Honours Thesis Primary

Not on offer in 2007

Credit Points: 24

Pre-requisites: WAM: 75 and successful completion of honours elective

Co-requisites: None

Exclusions: EDUT493

Subject Description: The Primary B.Ed. honours student will be required to complete a thesis, approximately 24,000 words, in length, based upon a course of supervised study on a topic chosen by the student and approved by the supervisor and the Faculty Research Committee. Students are also required to give an oral presentation at the end of their candidature. This thesis can take the form of a qualitative, quantitative or mixed-mode research project.

EDSD401 Education for Sustainable Development

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The goal for Education for Sustainable Development is to develop skills and knowledge that enables all citizens, and through them social institutions, to play a role in the transition to a sustainable future for the planet. Schools are key sites where ESD can be taught and put into action as a model for sustainability. ESD involves approaches to teaching and learning that integrate goals of conservation, social justice, appropriate development and democracy into visions for social action and personal change. ESD has a comprehensive approach and incorporates the old social studies subject areas of development education, human rights education, peace education, environmental education, multicultural education and active citizenship in addition to new approaches to science and conservation education, technology and media studies. The focus of ESD is on critical thinking, problem-solving, values analysis and active citizenship. Additionally, students enrolled in this subject will be engaged with current educational debates and reforms that seek to design relevant pedagogies and practices that meet the needs of

	Arts
	Commerce
	Creative Arts
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	children and their society in the 21st century. They will need to take into account that being in new times means a new generation of children, who will demand that their teachers consider new ways of thinking about teaching and learning that will contribute to their shared vision of a sustainable future. In this subject students will be asked to bring together knowledge's and experiences from their previous three years of learning across science, technology and HSIE to explore global social and environmental issues and their impact on their local region. To put their knowledge into action through a final assessment students will adopt a local school and work with the school community to develop a whole school ESD plan.
Commerce	
Creative Arts	EDTD302 Teaching for Diversity <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: In this subject, the focus will be on two particular groups of students: those who are gifted and those from non-English-speaking backgrounds (NESB) – although of course there is often overlap between these groups. In the subject students will be explore the various forms of giftedness, focussing particularly on students' academic, social and emotional needs. Further, in the subject students will examine how to appropriately educate gifted students in the regular classroom. In regard to NESB students will develop an understanding of the diversity within this group of learners (migrants, refugees, new arrivals, and so on) and how to plan teaching programs to cater for this diversity.
Education	
Engineering	EDUA111 Creative and Expressive Arts in Early Childhood <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: In this subject emphasis will be given to ways in which the expressive curriculum areas of art, craft, drama and music can be interrelated. Types of teaching and learning processes that will be explored include: aesthetic expression; communication through personal ideas/feelings; and arts appreciation. Cognitive and intellectual concepts through arts activities such as colour, size, rhythm, and melody will be examined.
Health & Behavioural Sciences	
Informatics	EDUA201 Creative Arts Education <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This course analyses and interprets the value of the arts and their application to the K-6 classroom setting. Students will: research, compare and interpret music and visual arts in a variety of contexts; identify and prepare appropriate arts education teaching materials; examine possibilities for integrating the arts with other subject areas; and be involved in listening, singing, playing, moving, creating, as well as in the making of art works.
Law	
Science	EDUA224 Creative Arts KLA Elective I Autumn Wollongong On Campus Credit Points: 6

Pre-requisites: EDUA201

Co-requisites: None

Subject Description: Students will participate in both the art forms of visual arts and music and gain a personal shared meaning and value of aesthetics in the arts. Students will appreciate the role of each art form through making and appraising their own works and the works of others.

EDUA331 Creative Arts KLA Elective II

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUA201

Co-requisites: None

Subject Description: In this subject students focus on the interrelation of dance, drama, music and visual arts. The NSW K-6 Creative Arts syllabus will provide the framework for students to understand where commonalities occur across the arts. Cognisance will be given to the uniqueness and integrity of each art form.

EDUA441 Creative Arts Key Learning Area Elective III

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Students will engage in listening, creating and performing music as a means of: developing an understanding of how music can be valued in different ways; investigating and developing an understanding of the elements of music; and applying their understandings to the development of sequenced programs of work for the primary classroom.

EDUA442 Creative Arts Key Learning Area Elective IV

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Students will explore the creative arts key learning area from a visual arts perspective. Students will conceptualise the role of the artist, the researcher and the educator. Students will examine, explore and evaluate current visual arts practices and research.

EDUC213 Educational Psychology in Teaching and Learning

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUF111 plus EDUF212 or 12 cp of related 100 level study

Co-requisites: None

Exclusions: Not to count with EDUE323

Subject Description: This subject will examine theoretical perspectives in educational psychology that focus on encouraging effective teaching and successful learning with school-aged children. Topics include development, cognition, intelligence, motivation, individual differences, personal development and communication in the classroom. Students will be encouraged to consider a variety of relevant theories and to develop an appreciation of the social and cultural contexts within which school children operate.

EDUC217 The Psychology of Exceptional Children

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUF111 plus EDUF212 or 12 cp of related 100 level study

Co-requisites: None

Exclusions: Not to count with EDUE322

Subject Description: This subject will examine the psychological and educational development of exceptional children. Students will be introduced to developmental theories, differing categories of exceptionality, methods for studying children and different methods of identifying exceptional children.

EDUC291 Youth, Culture, Education

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with EDUE325

Subject Description: This subject will introduce students to the study of youth culture and education. The subject will analyse the impact of changing cultures on youth and education in Australia. Changing social expectations, values and practices related to youth and the education system will be examined. The central role of language in the construction of identity will be explored. Students will be required to develop an understanding of 'youth culture' and issues of difference in education. Provision will be made for students to focus on issues relating to a range of age groups, including provision for early childhood.

EDUC292 Gender and Social Justice

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with EDUE324

Subject Description: This subject will examine the relationship between gender, social justice and education. Students will be introduced to the contribution made by feminist theory and research methods to educational practice and policy. Discourses of sexuality, inequality, meritocracy and democracy will be examined through an issues-based approach.

EDUE301 Issues in Aboriginal Education

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ABST361

Subject Description: This subject provides students with historical and sociological understandings from Aboriginal perspectives of the significant role formal education has played and continues to play as a site of struggle in the process of colonisation. Topics vary, but may include: the history of Aboriginal education in NSW; racial doctrines; individual and institutional racism; Aboriginal cultures, identities and education; various 'models' of Aboriginal education; current policies and issues; self-determination and education.

EDUE302 Aboriginal Pedagogy

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with ABST362

Subject Description: This subject canvasses a range of related issues which will help equip students with skills and knowledge related to: designing programs and teaching Aboriginal children, youth and adults in culturally-appropriate ways; and designing programs and teaching all people about Aboriginal Studies. Topics will vary, but may include: differences between Aboriginal education, Aboriginal studies, cultural studies, and anti-racist education; 'Western' and Aboriginal approaches to knowledge, teaching and learning styles, communication styles, and discipline methods; and methods for consulting with Aboriginal communities.

EDUE303 Teaching Language and Literacy Through Literature in Early Childhood

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject focuses on the theory and practice of using a literature-based approach in teaching to the early childhood years (preschool-year 2) The role of literature in developing children's language, literacy and critical thinking will be the primary emphasis. Children's literature discussed will include traditional literature (folktales, fables, myths and legends), picture books, big books, poetry, factual texts, realistic fiction and fantasy. A range of appropriate learning contexts, such as group discussions, drama and writing workshops will be used to model relevant classroom strategies.

EDUE304 Teaching Language Through Literature in the Primary and Middle Years

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject focuses on literature suitable for the needs, interests and abilities of middle to upper primary children. This subject will focus on the concept of 'narrative' and the elements that underpin narrative text. A central issue will be 'critical literacy' or 'critical appreciation', which includes investigation into the nature of a 'hero', social and gender issues in reading and responding to literature, racial and gender biases and stereotyping.

EDUE305 Design and Assessment of Learning Experiences for Adults

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject focusses on the essential processes in the design of effective learning programs for adults. It is concerned with assessing needs, setting objectives, establishing the scope and sequence of

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	proposed programs, deciding on resources, planning how to assess learner performance and designing an evaluation strategy. Students will be expected to prepare a design statement which addresses a stated problem and reflects their understanding of the instructional design process.	
Commerce	EDUE306 Learning Strategies and Communication in Adult Education <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject introduces students to a range of learning strategies appropriate to adult learners. It is based on a consideration of a basic model of interpersonal communication which will provide one criterion for the evaluation of the strategies. These will be modeled, described and examined throughout the subject so that students may experience and analyse them in order to make informed choices for their own applications.	EDUE314 Interactivity and the WEB (Designing Hypertext Multimedia) Spring Wollongong On Campus Credit Points: 6 Pre-requisites: EDIT102 or CSCI102 Co-requisites: None Subject Description: This subject will apply the principles of instructional design and product development to an interactive web-based environment. The focus will be upon information design for a hypertext environment and the development of an informative and interactive Web Site. This will entail a discussion of project development, software tools for interactive and collaborative Web-Based environment development, the process of rapid prototyping and a critical examination of design issues that define effective sites. To undertake the project students will design an information structure and develop an interface and screen design.
Creative Arts		
Education	EDUE307 Physical Education: Coaching and Sport Administration Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject analyses the general principles of coaching and sport administration. In coaching, topics include: coaching roles, psychological and physical factors, programming for all coaching environments and practical sessions. Students also undertake practical work and have the opportunity to complete the Australian Coaching Council Level 1 General Principles. In Sport Administration they have the opportunity to complete the Australian Society of Sport Administrators Level 1. Topics include strategic planning, operations management, financial aspects, legal issues, effective meetings and marketing and promotion.	EDUE315 Environmental Education - The Natural Environment Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject focuses on teaching in natural environments with children from local primary schools. Students will visit local field study centres and schools to engage in teaching and research. They will also be involved in seminar presentations of selected global and local environmental problems relevant to primary school children.
Engineering		
Health & Behavioural Sciences	EDUE308 PDHPE: Health Promotion Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject will examine the concept of health promotion, and will afford students the opportunity to specialise in a specific aspect of health promotion e.g. physical activity or community health. The latest research will be examined to reinforce the notion of health promotion in the community. There will be an emphasis in this subject on students acquiring skills in program development and implementation.	EDUE316 Environmental Education - The Built Environment Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject focuses on teaching in built environments with children from local primary schools. Students will visit urban field study centres and schools to engage in teaching and research. Students will also critically examine local environmental issues that relate to the use of appropriate technology in the built environment.
Informatics		
Law	EDUE313 Interactive Multimedia by Design Autumn Wollongong On Campus Autumn Loftus On Campus Credit Points: 6 Pre-requisites: EDIT102 Co-requisites: None Subject Description: The subject reviews the basic principles of interactive multimedia design and develops a prototype interactive multimedia project using authoring tools. This will entail developing awareness and skills in visual thinking and	EDUE320 Behaviour Management Autumn Loftus On Campus Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with EDUE311 Subject Description: This elective examines the prevalence and aetiology of behaviour disorders and their effects on classroom learning and community integration. Practical classroom techniques which have
Science		

been found to be effective in developing a supportive classroom environment and in increasing academic engaged time will be the focus of the subject. The issues of attention deficit hyperactivity disorder, oppositional behaviour, non-compliance, bullying and developing models of student and collegial support will be addressed.

EDUE321 Reading Difficulties

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with EDUE312

Subject Description: Both reading acquisition and reading comprehension will be addressed in this subject, with particular reference to those students who do not acquire these essential skills as quickly or as easily as their peers. The assessment of reading skills, including critical phonological skills, and the planning, implementation and evaluation of an appropriate reading program based on those assessment results, will form the basis of the subject.

EDUE322 The Psychology of Exceptional Children

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUF111 plus EDUF212 or 12 cp of related 100 level study

Co-requisites: None

Subject Description: This subject will examine the psychological and educational development of exceptional children. Students will be introduced to developmental theories, differing categories of exceptionality, methods for studying children and different methods of identifying exceptional children.

EDUE323 Educational Psychology in Teaching & Learning

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUF111 plus EDUF212 or 12 cp of related 100 level study

Co-requisites: None

Subject Description: This subject will examine theoretical perspectives in educational psychology that focus on encouraging effective teaching and successful learning with school-aged children. Topics include development, cognition, intelligence, motivation, individual differences, personal development and communication in the classroom. Students will be encouraged to consider a variety of relevant theories and to develop an appreciation of the social and cultural contexts within which school children operate.

EDUE324 Gender and Social Justice

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will examine the relationship between gender, social justice and education. Students will be introduced to the contribution made by feminist theory and research

methods to educational practice and policy. Discourses of sexuality, inequality, meritocracy and democracy will be examined through an issues-based approach.

EDUE325 Youth, Culture, Education

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will introduce students to the study of youth culture and education. The subject will analyse the impact of changing cultures on youth and education in Australia. Changing social expectations, values and practices related to youth and the education system will be examined. The central role of language in the construction of identity will be explored. Students will be required to develop an understanding of youth culture and issues of difference in education. Provision will be made for students to focus on issues relating to a range of age groups, including provision for early childhood.

EDUE326 Curriculum and Program Evaluation

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject introduces the evaluation of curriculum and programs generally. Students will examine a range of evaluation types, purposes, techniques and examples, and develop skills in critiquing evaluations and devising a program evaluation.

EDUE327 Language and Ideology

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will examine the ways in which language contributes to the production and reproduction of culture and individual subjectivities. The emphasis will be on students' developing the analytical tools provided by critical discourse analysis, semiotics and systemic linguistics to interpret written, spoken, visual and lived texts.

EDUE329 Teaching Listening to Second Language Learners

Not on offer in 2007

Credit Points: 2

Pre-requisites: None

Co-requisites: None

Subject Description: This subject provides an introduction to knowledge and skills needed to teach listening. It aims to help students to develop a deeper understanding of listening as an interactive process and from this perspective to develop techniques and procedures for teaching effective listening strategies.

EDUE330 Teaching English in International Contexts

Not on offer in 2007

Credit Points: 2

Pre-requisites: None

Co-requisites: None

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>Subject Description: TESOL has grown into a flourishing profession where the teachers are continuously exposed to a variety of cultures. In the course of cultural contacts, misunderstandings and misconceptions often occur. This subject is designed to better prepare the future TESOL professional to teach English effectively in international contexts. It offers a deeper understanding of cultural, linguistic and educational differences so as to help future teachers become more sensitive to social-cultural issues involved in teaching English in an international context. Students will have opportunities to familiarise themselves with employment prospects in various countries. However, the major focus of the subject will be on helping the students develop skills and strategies that will allow them to perform appropriately and professionally in international contexts.</p>			<p>racism; Aboriginal cultures, identities and education; various 'models' of Aboriginal education; current policies and issues; self-determination and education.</p>
Commerce				<p>EDUE402 Aboriginal Pedagogy Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with EDUE302 and or ABST362 Subject Description: This subject canvasses a range of related issues which will help equip students with skills and knowledge related to designing programs and working with Aboriginal children, youth and adults in culturally-appropriate ways. Topics will vary, but may include: differences between Aboriginal education, Aboriginal studies, cultural studies, and anti-racist education; 'Western' and Aboriginal approaches to knowledge, teaching and learning styles, communication styles, and discipline methods; and methods for consulting with Aboriginal communities.</p>
Creative Arts	<p>EDUE341 Facilitating Peer Learning Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 6 Pre-requisites: min. 24 credit points at 100 level Co-requisites: None Subject Description: This subject will enable senior students from across campus to develop and enhance their leadership, communication and teamwork skills through their involvement in the PASS (Peer Assisted Study Sessions) Program. The subject will also contribute to the on-going development of a peer learning community at UOW through peer tutoring across Faculties. Entry to this subject is conditional on applicants being considered suitable via a personal interview.</p>			<p>EDUE405 Assessing Performance In Adult Training <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject is designed to develop in the student the essential knowledge, skills, understandings and attitudes which will ensure sound evaluation of training programs. It is directed towards the establishment and consolidation of logical links between evaluation and instructional design and deals with the assessment of trainee performance and current skill levels. Attention is given to examining the importance of language competency in this assessment process. The formative and summative evaluation of training strategies will then contribute to the development of effective performance outcomes.</p>
Education				
Engineering	<p>EDUE342 Physical Care and Development of Babies and Toddlers Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject will critically examine the physical development of the baby and toddler and how this relates to the achievement of both gross and fine motor skills. Common physical problems that can influence this process will be explored. The subject includes the learning of practical skills to positively influence the baby/toddler's physical motor outcomes in the early childhood centre environment. Constructive play, appropriate day-to-day handling and working with parents and specialist staff will be included.</p>			<p>EDUE407 Inquiry Project In Physical and Health Education Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: The student in consultation with a faculty member will be required to identify an appropriate topic for action research in Physical Education or Health Education settings. Each student will plan, conduct and report (approximately 6000 words) on the approved project. Staff will liaise regularly with student and site staff but will not supervise students on site. Group meetings of students will be arranged as necessary.</p>
Health & Behavioural Sciences				
Informatics				
Law	<p>EDUE401 Issues In Aboriginal Education Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with EDUE301 and or ABST361 Subject Description: This subject provides students with historical and sociological understandings - from Aboriginal perspectives - of the significant role formal education has played and continues to play as a site of struggle in the process of colonisation. Topics vary, but may include: the history of Aboriginal education in NSW; racial doctrines; individual and institutional</p>			<p>EDUE408 Placement In Physical and Health Education Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Students will work in either</p>
Science				

Arts	EDUF212 Education II			environments for young children. Students will take into account the diverse nature of the population and the importance of parent teacher relationships.
	Spring	Loftus	On Campus	
	Spring	Wollongong	On Campus	
	Spring	Shoalhaven	On Campus	
	Spring	Moss Vale	On Campus	
	Spring	Bega	Flexible	
Commerce	Spring	Batemans Bay	Flexible	EDUF304 Early Childhood Curriculum Spring Wollongong On Campus Credit Points: 12 Pre-requisites: EDUF201 Co-requisites: None Subject Description: The compulsory core of this subject examines different ways of conceptualising curriculum, and processes and approaches involved in curriculum planning in various early childhood settings. Students will be able to choose a specialisation within this subject, focusing on 0-3s, 3-5s or 5-8s. In this specialisation, students will be involved in collaborative inquiry into relevant curriculum policies and practices, and apply the findings of this inquiry to designing programs.
	Credit Points: 6			
	Pre-requisites: 12cp of 100 level subjects			
	Co-requisites: None			
	Subject Description: This subject identifies and examines the major theories, perspectives and methodologies which support a critical awareness and understanding of issues of consequence in education in society. The role of education in gender, class and race relations is considered and students explore contemporary issues such as: inclusion of the differently-abled student; violence in schools and families; changing perceptions of sexualities; and the use and critique of technology and mass media.			
Creative Arts	EDUF232 Early Intervention and Children with Special Needs			EDUF311 Education III Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: EDUF101 OR EDUF111 Co-requisites: None Subject Description: This subject is designed to provide students with an understanding of current research related to the major theories of cognitive development and the impact of these theories on contemporary teaching practice. The topics treated will include: information processing theories of cognitive functioning; metacognition and learning; Piaget and the neo-Piagetians; Vygotskian theory; theories of intelligence and creativity; psychological perspectives on motivation; and, cognitive development as a social and cultural process.
	Autumn	Wollongong	On Campus	
	Credit Points: 6			
	Pre-requisites: None			
	Co-requisites: None			
	Subject Description: This subject examines various factors which put the young child at risk of developmental delays or disabilities, and develops management, care and teaching strategies which are appropriate for young children with special needs. The roles of parents, associated professionals and paraprofessionals in the education of young children with special needs are also addressed.			
Education	EDUF252 Child Development and Care II			EDUF313 Historical and Philosophical Perspectives of Early Childhood Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: EDUF212 Co-requisites: None Subject Description: This subject will critically examine the importance of early childhood education, perspectives on childhood in different historical contexts, the roles of children and families in learning and schooling, and childrearing practices in different historical and societal contexts. The impact of historical changes and philosophical shifts upon the world of the child and upon the development of early childhood services and programs will be considered.
	Spring	Wollongong	On Campus	
	Credit Points: 6			
	Pre-requisites: EDUF106			
	Co-requisites: None			
	Subject Description: This subject extends the knowledge and skills gained in previous developmental studies by examining particular contexts and situations in early childhood education. These include: child abuse and neglect, health and safety management, evaluation of policies and practices, evaluation of government regulations, working with families; and current issues. Students will apply child development theories and principles to evaluation and critical analysis of a variety of specified situations and contexts and engage in reflective thinking.			
Engineering	EDUF303 Early Childhood Learning Environment III			EDUF353 Management of Early Childhood Services Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject will prepare early childhood educators to fulfil the roles of organizational communicator, leader, teamworker, (action) researcher, and supervisor of staff. Topics –as they relate to early childhood professionals– such as industrial issues, human resources management, change management effective communication, legal responsibilities, use of technology in services management, personal career management, and contextual issues will be covered.
	Autumn	Wollongong	On Campus	
	Credit Points: 6			
	Pre-requisites: EDUF201			
	Co-requisites: None			
	Subject Description: This subject will provide students with the theoretical background for creating optimal cognitive, socio-emotional & physical learning environments in early childhood settings. Students will be studying current research in early childhood education and child development and the implications for planning effective learning			
Health & Behavioural Sciences				
Informatics				
Law				
Science				

The delivery strategy of self directed teamwork will provide practical experience in group dynamics, conflict resolution, team building and leadership.

EDUF421 Leadership and International Perspectives In Education

Spring Wollongong On Campus
Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is designed to prepare teachers for their roles as leaders in their classrooms, and future leaders in schools. The subject is divided into three parts: leadership of schools, leadership of learning and leadership in the future. Principals of schools are regularly invited to speak to the class about current concerns and new developments in schools. The global perspective on leadership relates issues and innovations in education to broader international perspectives to suit Australian needs in a globalised context. Students participate in a range of practical activities designed to build teamwork, engage in decision-making and problem solving, speak publicly on key educational issues, and read widely from literature on educational leadership. The students are expected to research, describe and analyse different concepts of leadership and management, and each week students reflect on and inquire into their own leadership preferences, styles and strengths, including setting goals for improving their personal approaches to learning, teaching and leadership.

EDUL101 Language and Literacy Education I

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject examines theoretical foundations and develops practical strategies for the teaching of reading. It examines the relationships between reading, writing and oral language development and explores the knowledge and strategies readers use to make meaning from both literary and factual texts. Students will become familiar with the developmental patterns of emergent, beginning and fluent readers and the respective teaching and assessment strategies.

EDUL202 Language and Literacy Education II

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUL101 – Language

& Literacy Education I

Co-requisites: None

Subject Description: This subject examines theoretical foundations and develops practical strategies for the teaching of writing. It examines the relationship between reading, writing and oral language development and explores the knowledge and strategies writers use to compose the range of literary and factual texts. Students will become familiar with the developmental patterns of emergent, beginning and fluent writers and the respective teaching and assessment strategies.

EDUL224 Language Education KLA Elective I

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUL101

Co-requisites: None

Subject Description: This subject will focus indepth on Early Stage 1 & Stage 1 of the English K–6 Syllabus. It will examine the relationship between the outcomes, assessment of literacy learning, the design and implementation of learning activities, and the creation of effective classroom settings. It will examine a range of teaching/learning activities and the use of time, resources, that K–2 teachers use to plan, implement and evaluate their literacy curriculum.

EDUL301 Language and Literacy Studies in Early Childhood

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUL101

Co-requisites: None

Subject Description: This subject examines language and literacy development in the early childhood years. Topics include: early spoken language development; emergent literacy development; later reading and writing development; the role of picture books in children's lives; and the relationship between development and children's learning environments. Teaching strategies for supporting children's talk, reading and writing will be addressed. Students will be involved in conducting independent inquiry in teams into aspects of children's language and literacy development.

EDUL312 Understanding Literacy Needs Of Adolescents

Spring Loftus On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will examine the characteristics and needs of adolescent students and in particular adolescent literacy. It will explore the social emotional, intellectual and physical developmental period of adolescence and examine specific issues of 'identify', 'peer acceptance', 'independence', 'social and political awareness' and how these characteristics relate to adolescent literacy development and specifically to the learning and teaching of mathematics and science. What literacy is and the role it plays in learning will be demonstrated. Practical classroom strategies and techniques will be introduced that will enhance the learning experiences of the adolescent student.

EDUL335 Language Education KLA Elective II

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUL202

Co-requisites: None

Subject Description: This subject will focus indepth on Stage 2 & Stage 3 of the English K–6 Syllabus. It will examine the relationship between the outcomes, assessment of literacy learning, the design and implementation of learning activities, and the

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

creation of effective classroom settings. It will examine a range of teaching/learning activities and the use of time, resources, that Year 3–6 teachers use to plan, implement and evaluate their literacy curriculum.

EDUL441 Language Education Key Learning Area Elective III

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will focus on the assessment and evaluation of literacy in all its current modes. Students will be required to translate theoretical frameworks of assessment and evaluation into a set of practical profiles and benchmarks for use in the classroom.

EDUL442 Language Education Key Learning Area Elective IV

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will take the form of a school based inquiry project into some aspect of literacy education. Students will be asked to identify a problem worthy of inquiry, develop a needs analysis and proposal; carry out a literature review in the area; carry out action research and data collection and finally write a brief report presenting the findings.

EDUM224 Mathematics Education KLA Elective I

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUM102 or EDUM201

Co-requisites: None

Subject Description: This subject provides the opportunity for students to explore the teaching of Mathematics in the primary context in light of current theoretical approaches, including the Dimensions of Quality Teaching and the 'Count me in Too' framework. This subject will focus on content and activities which, whilst using the Mathematics K–6 syllabus as its base, will also include cross curricular approaches to Mathematics teaching and learning such as the use of literature, drama, music, ICT and themes when planning and implementing authentic mathematical learning experiences. Students in this elective will be expected to prepare and present lessons in a school setting.

EDUM333 Mathematics Education Elective II

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUM102 or EDUM201

Co-requisites: None

Subject Description: Recent reform documents such as the NSW Mathematics K–6 Syllabus (2002) and Quality Teaching Framework (2003) articulate the importance of processes that mediate children's constructions of mathematical understandings. This subject will focus on a range of issues that impact on these processes including discourse and language, gender, ethno-mathematics, problem solving, scaffolding, use of technology, assessment, attitudes to mathematics and children with special needs. One session of the lecture and tutorial

will be devoted to students preparing and analysing rich learning contexts for their upcoming practicum. The subject will extend the work done in EDUM201.

EDUM441 Mathematics Education Key Learning Area Elective III

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Scaffolding involves teachers actively seeking ways to assist children immerse in mathematics by supporting them initiate and sustain mathematical discussions and construct meaning through a process of negotiation. This process occurs in a social context in the classroom, and is facilitated by the range of tools that are used. In this subject, students will critically evaluate some of these tools, and examine their pedagogical value. The discussions will focus on the interplay between scaffolding, learning goals and support material that can be used to motivate children. Students will be encouraged to draw on practicum and current classroom teaching experiences in their reflections about the appropriateness and potential impact of resources in teaching concepts and skills relevant to K–6 mathematics. Students will be encouraged to identify a particular area of interest that has proven to be problematic for them as learners and teachers of K–6 mathematics.

EDUM442 Mathematics Education Key Learning Area Elective IV

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject aims to examine themes and implications of the recent initiative by DET, Quality Teaching in NSW (2004). Within the context of K–6 mathematics, the major dimensions of the framework for classroom practice will be explored. The nature of deep and substantive mathematical learning and its relationship to numeracy and productive pedagogies are core areas to be explored. In this context, students will be invited to share the tensions and dilemmas of their own personal pedagogies as these are played out in their day-to-day classroom practice. There will be opportunities for student groups to construct IT-based learning environments and reflect on research findings concerning effective mathematical learning actions and activities.

EDUP123 Movement Concepts and Practices

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Health and Physical Education teachers have a major role to play in the promotion of physical activity in both schools and the general community. Physical activity contributes to quality of life, and develops fitness as well as motor skills. There are a range of experiences that people can participate in to ensure a lifelong commitment to regular physical activity. In this subject students will participate in practical experiences which will explore the fundamental principles underlying all movement and identify how these principles

impact on the development of specialised skills. The health and skill related elements of physical fitness will be examined from both a theoretical and practical perspective.

EDUP124 Skill Analysis and Performance I

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Movement experiences in this subject will consolidate and extend students' knowledge and understanding of physical activity and the principles underlying movement. These principles will be applied to specialised skills in aquatics, gymnastics and the invasion games of touch football, oztag, and rugby. Students will develop their own level of performance in these specialised areas of physical activity, as well as further their understanding of teaching strategies which can be utilised when implementing these activities in schools.

EDUP144 Health and Health Behaviour

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is the first in a series of subjects which examine major issues from a socio-cultural perspective. The models of health behaviour will be critically examined in relation to the major lifestyle factors in the disease process. The nature of disease and the major risk factors will be addressed. The subject culminates with an exploration of nutrition as a dimension of health.

EDUP153 Foundations of Personal Development, Health & Physical Education

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Students will examine the theoretical foundations and rationale for the inclusion of Personal Development, Health and Physical Education within both the primary and secondary curriculum. The basic principles of teaching related to communication, lesson planning, classroom management and reflection will be discussed and practised in outdoor and indoor micro teaching contexts as preparation for the first practicum component of 5 days, which will take place in the primary school setting.

EDUP201 Personal Development, Health and Physical Education

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will introduce students to the Key Learning Area: Personal Development, Health and Physical Education. This KLA has a vital role to play in the immediate and future health promotion of young people. Students will examine current health issues facing young people and investigate the role of the school in addressing these issues through the Health Promoting School/ whole school approach.

EDUP223 Skill Analysis and Performance II

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP123

Co-requisites: None

Subject Description: Students will further their knowledge and understanding of the principles and practices involved in the development of specialised skills in a variety of movement experiences. Students will further their own skill level in each area covered, as well as examine the considerations for teaching these activities in schools. Through participation in a variety of practical and theoretical experiences students will further their ability to utilise a variety of teaching strategies when implementing Physical Education lessons.

EDUP224 Skill Analysis and Performance III

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP123

Co-requisites: None

Subject Description: In this subject students will continue to increase their knowledge and understanding of movement experiences taught in the Physical Education component of the PDHPE Syllabus. Combining the experience they have had in practice teaching, and the knowledge gained through a variety of theory and practical subjects, students will further their ability to plan and implement appropriate Physical Education lessons. Students will focus on continuing to improve their own personal performance and as well as the selection of strategies to meet the special needs of individuals, create active participation, and to challenge and extend each student's capabilities in a broad range of physical activities.

EDUP226 Personal Development, Health and Physical Education KLA Elective I

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP201

Co-requisites: None

Subject Description: This subject will enable students to further develop the knowledge, understandings and pedagogical skills introduced in EDUP201 Personal Development, Health and Physical Education. School based experiences teaching PDHPE in a local primary school will allow students to apply their knowledge, understandings and abilities in teaching K-6 PDHPE in a practical context.

EDUP243 Exploring Emotional Well Being

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will examine the mental, emotional, social and spiritual dimensions of health and the influence they have on an individual's total well-being. Students will identify current adolescent health issues and the role of PDHPE teachers in addressing these issues and promoting adolescent well-being.

EDUP246 Risk Taking and Young People

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>Co-requisites: None</p> <p>Exclusions: Not to count with EDUP344</p> <p>Subject Description: This subject will focus on risk taking behaviour, in the context of young people's lives and culture, with specific reference to drug taking, suicide, and accidents. Current trends in prevention, intervention, postvention, harm minimisation, and building resilience will be examined. At the conclusion of this subject, students should have acquired a sound knowledge base, which will enable critical examination of the underlying psycho-social factors associated with drug use, suicide ideation and other risk taking behaviours.</p>
Commerce	<p>EDUP255 Teaching Physical Education</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: EDUP153</p> <p>Co-requisites: None</p> <p>Subject Description: This subject builds on previous studies of the nature of the learner and the learning environment in Physical Education. Opportunities will be provided for students to explore the variety of teaching/learning strategies available, their advantages and disadvantages, the criteria for their selection and their contribution to classroom communication. Students will be given the opportunity to apply their knowledge by participating in field experiences during the session. This includes a 5 day practicum in a secondary school which will enable students to apply the theories of teaching Physical Education to a practical setting.</p>
Creative Arts	
Education	
Engineering	<p>EDUP256 Teaching Health Education</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: EDUP153</p> <p>Co-requisites: None</p> <p>Subject Description: This subject investigates teaching and learning in Health Education. Students will initially explore and analyse meanings of health and health behaviour theories and explore Health Education in secondary schools as a form of health promotion. The understandings which are developed will then be related to a variety of teaching and learning opportunities which exist in Health Education in secondary schools given the diverse nature of schools and learners. Health Education demonstration lessons will enable students to observe and reflect upon the teaching of experienced Health Education teachers. This subject includes a two week practicum in a secondary school which will enable students to apply the theories of teaching Health Education to a practical setting</p>
Health & Behavioural Sciences	
Informatics	
Law	<p>EDUP301 Issues In Health & Physical Activity</p> <p>Autumn Loftus On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: All teachers irrespective of subject area have a responsibility for the physical, social and emotional well-being of their students. This subject will focus on personal development, health and physical education issues which impact on the welfare and health status of young people. Issues in personal development/health would include: mental health, depression, eating disorders, suicide, drug use,</p>
Science	

and sexuality. In the physical activity area, the focus would be on increasing students' confidence. This would be achieved by: increasing knowledge of a variety of sporting activities; developing organisational skills necessary for conducting an efficient physical activity or sports session; and reinforcing an understanding of risk management in external environments.

EDUP311 Principles & Practices of Coaching

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 cr pts at 200-level

Co-requisites: None

Subject Description: This subject analyses the basic principles and practices of coach education. The emphasis will be placed on an understanding of the Australian Coaching system and pedagogical issues in coach education. Related issues to coaching such as time management and ethical issues will also be studied. Relevant discipline areas such as physiology and sports psychology will also be applied to coaching. On completion of the subject students will have acquired a General Principles of Coaching certification.

EDUP312 Coaching Practicum

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 cr pts at 200-level

Co-requisites: None

Subject Description: Students will work with a recognised coach in an applied setting. Students will be required to organise and run practice sessions for a minimum of 30 hours. Two hours per week will be spent in the field with one hour a week spent in lectures analysing the principles of coaching. Students will be required to prepare an in-depth workbook of their practical experience and will also give an in-depth presentation to class members.

EDUP313 Advanced Coaching & Administration

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP311 OR EDUP312

Co-requisites: None

Subject Description: This subject provides the opportunity for students to advance their knowledge in the theoretical aspects of coaching and sport administration. In coaching the disciplines will be applied to the sports coaching environment. Students will also be required to undertake a General Principles (Level 2) coaching qualification. The Sports Administration components related to coaching will also be studied: strategic plans, development, sponsorship etc. Applications of theory will also be studied over the duration of the subject.

EDUP323 Advanced Skill Analysis I

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP123

Co-requisites: None

Subject Description: The students practical experience in racquet games; games such as cricket, softball and

baseball, aquatics (AUSTSWIM); and target/cultural games will be further developed with continuing emphasis on teaching strategies, processes, planning and evaluation.

EDUP324 Advanced Skill Analysis II

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP123

Co-requisites: None

Subject Description: This subject offers an extension of students' prior work in practical studies through experiences with a games sense approach, and the choreography and performance of dance, gymnastics and aerobics routines. The emphasis will be on unit planning, processes and the methodology of teaching in the areas of artistic and display gymnastics, soccer, kayaking and rock climbing.

EDUP333 Motor Learning

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is designed to develop an understanding of concepts related to skill acquisition and the psychology of sport. Through a variety of practical laboratories, seminars, workshops and lectures, students will be able to identify basic models of information processing, memory and attention; identify stages of learning and appropriate methods of instruction and use practice variables, feedback, transfer, psychological techniques programmed instruction and mechanical aids to enhance the teaching of motor skills.

EDUP335 Personal Development Health and Physical Education KLA Elective II

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP201

Co-requisites: None

Subject Description: This subject will expand knowledge and skills in the Key Learning Area of Personal Development, Health and Physical Education. The subject will generally focus on individuals and how they relate to other people during physical activity, and in their interactions with others. Emphasis will be placed on the promotion of positive mental health and the relationship of physical activity to this concept. Content and understandings will be examined from a strong pedagogical base. Students will have the opportunity to develop appropriate teaching strategies and approaches which can be applied to indoor and outdoor settings.

EDUP346 Sexuality, Identity And Relationships

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will afford students the opportunity to examine the complexity and diversity of a variety of issues related to sexuality, identity and relationships. Issues such as perspectives on sexuality; gender construction; communication in relationships; sexual orientation; STIs; harassment/assault; discrimination; cyber relationships. In addition, students

will identify important aspects of sexuality education programs, such as dealing with controversial and sensitive issues; creating safe environments; acknowledging diversity; developing an inclusive classroom; and developing personal values and attitudes as an educator.

EDUP355 Curriculum Perspectives and Issues in Physical & Health Education

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 cr pts at 200-level including either EDUP255 or EDUP256

Co-requisites: None

Subject Description: This subject will enable students to develop an understanding of the foundations of curriculum development as it relates to Physical and Health Education. A particular focus will be placed upon Physical and Health Education in a post compulsory education setting. These understandings will be achieved by engaging students in an analysis of state and national curriculum models that have relevance to Physical and Health Education. Students will critically analyse contemporary issues that impact upon the Physical and Health Education curriculum as well as undertake curriculum planning and development tasks. At the completion of this subject students will undertake a 3 week block practicum in a secondary school.

EDUP361 Progress and Issues in Health and Health Promotion

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 cr pts at 200-level

Co-requisites: None

Subject Description: On completion of this subject students will have critically examined the modern concept of health and factors affecting health status. Students will have investigated the scientific basis for health promotion and the research underpinnings associated with health promotion; health behaviour and health behaviour change.

EDUP362 Issues in Drug Education

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 cr pts at 200-level

Co-requisites: None

Subject Description: This subject provides for the examination and development of individual knowledge, skills and attitudes which will facilitate the drug education process. Content will include: drug use trends and issues; behavioural theories of drug use and dependence; perspectives on individual and societal attitudes to drug use; and the development of skills and programs relevant to providing meaningful drug education for young people.

EDUP363 Stress Management

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 cr pts at 200-level

Co-requisites: None

Subject Description: This subject will explore the elements of mental health and their relationship to stress. The concept of stress will be examined as well

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	as the theory of stress management. On successful completion of this subject, students will have conducted a stress management workshop. As well students will have identified and evaluated various stress management techniques and explained reasons why individuals may deviate from good health practices.	EDUP382 Leadership and Management Skills in Outdoor Education Spring Wollongong On Campus Credit Points: 6 Pre-requisites: EDUP381 Co-requisites: None Subject Description: This subject is designed to introduce students to leadership, administration and managerial aspects involved in outdoor education and recreation. Specific content will examine various styles of leadership in outdoor education programs in a variety of educational contexts. Practical skills such as setting up abseiling and rock climbing systems and preparing for, and conducting, major expeditions are used as a vehicle to integrate theory and practice.
Commerce	EDUP366 Independent Project in Physical and Health Education Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: EDUP391 or EDUP 332 Co-requisites: None Subject Description: This subject will provide students with the opportunity to engage in an individual project with close guidance through the stages of the project. The project may take a variety of forms including: working with health or sport groups or organisations; an action research project in a school or community setting; investigating a particular social phenomenon; developing a product using hypermedia or video and developing and piloting an honours proposal.	EDUP391 Research and Evaluation in Physical and Health Education Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: 24 cr pts at 200-level Co-requisites: None Subject Description: This subject will provide students with an introduction to the different approaches used in research and evaluation in physical and health education and related fields. For each of these approaches the following aspects will be examined: underlying assumptions; planning the research or evaluation; collecting, analysing, interpreting data and reporting findings; ethical issues involved in the research or evaluation process. Students will also be introduced to the use of statistics in research and evaluation.
Creative Arts		
Education	EDUP367 Sports Studies II Spring Wollongong On Campus Credit Points: 6 Pre-requisites: 24 cr pts at 200-level Co-requisites: None Subject Description: This subject provides the opportunity to complete Level 1+ or equivalent accreditations. Advanced Resuscitation, Sports Taping and Triathlon are some of the accreditations offered. A variety of recreational pursuits and associated risk management strategies will be explored within the subject. Liaison with schools and sporting associations will develop leadership, understanding and appreciation of sport and recreational activities.	EDUP392 Social and Cultural Perspectives in Physical Activity and Phys Ed Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: 24 cr pts at 200-level Co-requisites: None Subject Description: This subject examines sport and physical activity from a socio-cultural perspective, with a specific focus on topics such as ethnicity, youth culture, gender, sexuality, the body, meanings of health and the commodification of physical activity. A critical analysis of print and electronic media is used to explore how particular representations of sport and physical activity contribute to social values and to ideas about physical activity. It is in this context that the place and meaning of physical education in young people's lives is then examined.
Engineering		
Health & Behavioural Sciences	EDUP368 Fitness Assessment and Exercise Prescription <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: EDUP131, EDUP132 and EDUP234 Co-requisites: None Subject Description: This subject is designed to integrate theoretical concepts with practical experiences to reinforce an understanding of the components of fitness and health. This will result in autonomous decision making to enhance a healthy lifestyle. The ability to plan, implement and evaluate exercise programs through understanding the role of nutrition and exercise in stress management and alleviating the degenerative effects of hypokinesia will be developed.	EDUP430 Project in Physical and Health Education Annual Wollongong On Campus Credit Points: 12 Pre-requisites: None Co-requisites: None Subject Description: A report or major essay is required to satisfy the requirements for this subject. The topic is to be approved by the subject coordinator. The final project may take the form of: (a) a report of original work
Informatics		
Law	EDUP381 Outdoor Education Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: 24 cr pts at 200-level Co-requisites: None Subject Description: This subject is designed to introduce students to the pedagogical concepts of outdoor education and recreation. Specific content will examine aims, objectives and examples of outdoor education programs with an emphasis on school based	
Science		

performed by the student; (b) a theoretical investigation of a research related problem; (c) a multimedia presentation of a physical or health education topic.

EDUP435 First Aid and Sports Medicine

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The health and physical education teacher has a diversity of roles and responsibilities within the school environment. They not only have the responsibility to deliver safe and effective physical education and sport programmes, but must also educate students in injury prevention and first aid. Consequently, it is essential that they have a sound knowledge in both the theoretical and practical aspects of first aid and sports medicine. This course is designed to give students the knowledge and skills to prevent, assess, and treat injuries; and prepare them to teach first aid in the 2 Unit PDHPE Preliminary Core, sports medicine in the 2 Unit PDHPE HSC Course, and first aid/injury prevention components in the K-6 and 7-10 PDHPE syllabi. Students have the option in this course to pay an additional cost and complete a combined Level 1 Sports First Aid and Level 1 Sports Trainer accreditation from Sports Medicine Australia.

EDUP441 PDH&PE Key Learning Area Elective III

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject looks at advanced programming and planning in Physical Education and the contribution of PE to the overall development of children. Issues such as legal aspects and administrative procedures related to primary school physical events such as carnival organisation will be covered. The game centered approach is analysed in great depth from both a theoretical and practical perspective. Students will also participate in practical sessions.

EDUP444 PDH&PE Key Learning Area Elective IV

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will investigate the health promoting schools concept. Specific content will vary according to the needs/interests of the group, but could include some of the following: programming for PD/Health; 'healthy school' projects; children with special health needs - asthma, diabetes, epilepsy, cancer; dealing with crises in classrooms e.g. protective behaviours, conflict resolution, assertiveness, bullying, violence; issues in sexuality; loss and grief.

EDUP446 Contemporary Health Issues

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: In today's society there are many

existing and emerging health issues, which relate to young people. Many of these are difficult to address, as they are the result of the complex interaction between psychosocial, sociological, and political environments. This subject will give students the opportunity to identify current health issues relating to young people. Further it will equip them with the skills to seek out appropriate support networks and agencies within the community, and to put into place processes that will assist young people to better deal with these health issues. Specific content will be identified by the students, according to their needs and interests.

EDUP447 Sports Studies I

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject provides the opportunity to complete Level 1+ or equivalent accreditations. Scuba Diving, Rugby League/Union and Surf Rescue Certificate are some of the accreditations offered. Other accreditations, such as refereeing certificates, can be negotiated depending on the interests of the group. An understanding of the physical and recreational benefits and safety precautions related to students' area of choice will be developed with an analysis of pedagogical issues in coaching/refereeing/administration.

EDUP453 Professional Studies in Physical and Health Education

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP355

Co-requisites: EDUP454

Subject Description: This subject will conclude the sequence of studies in the curriculum and pedagogy strand by focusing on the professional preparation of final year student teachers in Physical and Health Education. Students will engage in critical analysis, investigation and reflection as a means of developing an understanding of current models of quality teaching; demonstrating competence in programming and assessment in Yrs 7-12 PDHPE using current policies; exploring innovative teaching strategies in Physical and Health Education and developing a professional teaching portfolio to demonstrate their beginning teacher competence.

EDUP454 Physical and Health Education Extended Practicum

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP355

Co-requisites: EDUP453

Subject Description: This final teaching practice is designed to provide an extended teaching experience which approximates the work of a full time secondary Physical and Health Education teacher. The extended period of practice enables the beginning teacher to bring together teaching and curriculum development skills, by taking responsibility for programming, implementing and evaluating appropriate sequences of learning experiences for secondary school students based on their developmental needs and learning styles.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>EDUP491 Theory and Application of Special Ed in P&HE</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: This subject will analyse the contribution that Physical and Health Education can make to responding to students with a wide range of learning needs. On completion of the subject students will have developed basic skills in the individualisation of instruction, analysed and evaluated theoretical issues underpinning the education of learners with exceptional needs and critically evaluated current trends in relation to the policies of integration in schools and the community.</p>	<p>Subject Description: Students will examine relevant aspects of the current Mathematics K-6 syllabus that apply to children under 8 years of age. Students then critically evaluate a range of approaches to the instruction of young children in science and mathematics.</p>
Commerce		
Creative Arts	<p>EDUP492 Leadership and Management in Physical and Health Education</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: Students will be introduced to the nature and scope of leadership and management in physical and health education and sport. The subject will focus on current and future issues of leadership and management of staff and event management with other significant responsibilities related to both education departments and community sporting organisations also discussed.</p>	<p>EDUS203 Human Society and Its Environment</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Exclusions: Not to count with EDUS104</p> <p>Subject Description: This subject is concerned with developing an understanding of the nature and importance of an integrated humanities course within the Early Childhood curriculum. It focuses on the Australian content for this KLA and on raising awareness of appropriate methodologies and choices of content for each year level. HSIE is a key KLA for the examination of attitudes and values and this informs the work undertaken in this subject.</p>
Education		<p>EDUS213 Science in Early Childhood</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: This subject is designed to provide preservice teachers in the field of early childhood with practical experience in planning, implementing and evaluating learning experiences in mathematics and science that will contribute to the development of skills, concepts and values in young children. Emphasis is placed on providing developmentally appropriate experiences for young children, including child-centred learning that directly links to hands-on experiences related to events and materials in the immediate environment.</p>
Engineering	<p>EDUS102 Science and Technology Education</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: This subject develops teaching skills that support constructivist based learning in science. It examines some of the ideas children have about energy, motion, electricity, time and space, and the environment so that pre-service teachers can appreciate some of the prior conceptions children bring to their own learning situations in science.</p>	<p>EDUS224 Science and Technology Education KLA Elective II</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: EDUS102</p> <p>Co-requisites: None</p> <p>Subject Description: This subject focuses on the discipline areas of education with emphasis on different ways of planning for the Science and Technology K - 6 syllabus. At all times the link between science and technology will be stressed. Students will study the implications of recent research into children's understanding of scientific concepts to the teaching of science. Students study three different frameworks for planning.</p>
Health & Behavioural Sciences		
Informatics	<p>EDUS104 Human Society and Its Environment</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Exclusions: Not to count with EDUS203</p> <p>Subject Description: This subject is concerned with developing an understanding of the nature and importance of an integrated humanities course within the primary school curriculum. It focuses on the Australian content for this KLA and on raising awareness of appropriate methodologies and choices of content for each year level. HSIE is a key KLA for the examination of attitudes and values and this informs the work undertaken in this subject.</p>	<p>EDUS226 Human Society and its Environment KLA Elective I</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: EDUS104</p> <p>Co-requisites: None</p> <p>Subject Description: This subject studies teaching strategies in a range of theme areas. The central idea is to develop confidence with different types of strategies and to learn to develop effective teaching aids within</p>
Law		
Science	<p>EDUS122 Mathematics in Early Childhood</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p>	

a short period of time. This subject uses content from the syllabus to develop teaching and learning strategies applicable K-6. Unit writing is also developed.

EDUS333 Science and Technology Education (K-6) Elective I

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUS102

Co-requisites: None

Subject Description: During this subject students will plan a five week sequence of science education lessons that relate to one of the syllabus topics. They will teach 5 lessons from the unit they developed at a local primary school. Students therefore plan, implement and evaluate their lessons.

EDUS335 HSIE KLA Elective II

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Successful completion of this subject will mean that the student has developed an understanding of how global matters relate to the HSIE syllabus. It will also extend understanding of how to incorporate other content into the given outcomes. Interaction and interdependence of all systems within our world is the unifying concept. Knowledge and understandings about all continents is a feature of this subject. Students will develop a range of teaching strategies which will incorporate global perspectives into the HSIE curriculum.

EDUS411 Science and Technology Education KLA Elective III

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject examines in detail the investigating processes emphasised in recent primary school science and technology syllabuses. It promotes changes in teacher behaviour required to effectively develop, implement and evaluate instructional programs that employ the processes of investigation.

EDUS414 Science and Technology Education Key Learning Area Elective IV

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject incorporates study of educational theory supporting teaching strategies currently employed in technology and design education. This subject critically examines approaches that have been taken to design and technology in the United Kingdom. These approaches will be compared with the recommendations in the Technology - a curriculum profile for Australian Schools (1994). The proposed recommendations for levels 1 to 4 will be critiqued and implications for primary schools discussed.

EDUS441 Human Society and It's Environment KLA Elective III

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: In the course of this subject students will use a problem solving approach to examine critically and develop possible, probable and preferred scenarios on a range of global issues. Topics may include: goals for a better world; alternative futures; ecological analysis of consumerism; population and food supply; women's issues; urbanization; informed citizenship.

EDUS444 Human Society and Its Environment Key Learning Area Elective IV

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is designed for students who have a deep interest in HSIE and who wish to be leaders in the area. A theoretical base for planning in social studies/HSIE will be studied. Students answer a range of inquiry questions to determine key features of competency in the teaching of HSIE. Research based papers are led by students and are studied in groups and alternative approaches to the development of scope and sequences in HSIE are developed.

EDUT104 Introduction To Teaching / Learning

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: In this subject, students will develop understandings about general principles that underpin learning and teaching as a dynamic relationship in the classroom. They will be introduced to the fundamental concepts of pedagogy (the art of teaching), and will focus on various approaches to the areas of lesson planning and classroom management that are two of the most important issues facing beginning teachers. In addition, an understanding of the issues related to the transition of children from primary to secondary school will be covered as well as issues about child protection and student welfare. The subject will include a practicum with 5 separate days plus a one-week block.

EDUT204 Professional Mathematics Community I

Spring Loftus On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is designed to develop competencies needed for planning and teaching the NSW Mathematics syllabus (Stages 4/5). Students will appreciate the nature of mathematics and how this impacts on pupils' thinking and classroom learning of mathematical concepts and conventions. It will provide students with ideas and opportunities to apply practice and develop basic teaching competencies that are appropriate for year's 7-10

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	mathematics. These competencies reflect an understanding of the school culture, classroom environment and involve the design and evaluation of a series of lessons. Suggestions for classroom management strategies for effective teaching will be presented. The subject will include a practicum with 5 separate days plus a two-week block.
Commerce	EDUT206 Professional Science Community I Spring Loftus On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject covers teaching and assessment strategies applicable to the NSW Science syllabus (Stages 4/5). It involves a critical examination of mandatory policies that affect teachers & students across the prescribed focus areas in order to develop pedagogy that models best practice. Ideas for classroom management strategies for effective teaching will be presented. Students will encounter a range of hands-on experiences with a variety of stimulus material to enhance their learning opportunities and assist in developing strategies for teaching science in ways that contribute to scientific literacy. The subject will include a practicum with 5 separate days plus a two week block.
Creative Arts	
Education	EDUT211 Curriculum and Pedagogy II Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: EDUT111 Co-requisites: None Subject Description: This subject builds on the skills and knowledge of EDUT111. Topics include: the theory and application of the role of the teacher; principles of curriculum planning; interactive learning and teaching strategies; principles of student assessment; classroom organisation and management. Students will apply these areas of understanding to planning sequences of lessons, to teaching practice, and to communicating effectively in the classroom.
Engineering	
Health & Behavioural Sciences	EDUT301 Research Methods Autumn Wollongong On Campus Autumn Loftus On Campus Credit Points: 6 Pre-requisites: EDUT211 or EDUT104 Co-requisites: None Subject Description: This subject is designed to introduce students to a range of inquiry and evaluation strategies relevant to the development of a reflective teacher. Topics will include: an overview of inquiry paradigms; assumptions underpinning different paradigms; critically reviewing research literature; developing skills in data gathering, representation, analysis and interpretation; ethical issues associated with educational inquiry; and the design, implementation and reporting of an educational inquiry.
Informatics	
Law	
Science	EDUT302 Curriculum and Pedagogy III Spring Wollongong On Campus Credit Points: 12 Pre-requisites: EDUT211 Co-requisites: None Subject Description: Approaches to curriculum design and change and an appreciation of the complexity of the teacher's role in the classroom, school and the

community will be developed. A school level inquiry will evaluate an aspect of school curriculum or policy related to across-curricular equity perspectives. For the extended practicum a five week program in all KLS's will be required. As part of this experience students will be expected to display confidence and competence in interpersonal relations and complete and evaluate an effective teaching position for six weeks.

EDUT304 Professional Mathematics Community II

Spring Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will develop understanding of teaching and assessment strategies applicable to the NSW Mathematics syllabus Stages 6, including requirements for the three HSC mathematics subjects. Students will encounter a range of experiences that are aimed at identifying and investigating the deep structure of mathematical understanding and problem solving. The theme 'learning mathematics within a classroom community' will be investigated via a series of episode-based seminars. Discussion will also examine the role of teachers in establishing communities of mathematical inquiry in the classroom. It will build on the understandings and skills developed in EDUT204, further preparing students for the Professional Practice component of the course. The subject will include a practicum with 5 separate days plus a two-week block.

EDUT306 Professional Science Community II

Spring Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers teaching & assessment strategies applicable to the NSW Science syllabus for Stage 6. It involves a critical examination of mandatory policies that affect teachers & students across the Preliminary & HSC courses. This course assists pre-service teachers in planning & conducting investigations, communicating information & understanding, & developing scientific thinking & problem-solving techniques. It will focus on the current scope of contemporary education, curriculum development and research in the areas of Earth & Environmental Science, Physics & Senior Science. The subject will include a practicum with 5 separate days plus a two-week block.

EDUT403 Research Methods in Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subjects extends students' understandings of qualitative and quantitative inquiry paradigms in educational research. This subject is designed particularly to support honours students as they conduct their honours thesis. As such, topics covered will extend students' understandings of ethics, and of identifying a research question, writing a literature review, choosing an effective research method, gathering, representing, analysing and interpreting data, and report writing.

EDUT404 Professional Mathematics Community III

Spring Loftus On Campus

Credit Points: 12

Pre-requisites: None

Co-requisites: None

Subject Description: In this subject students will review a number of theoretical frameworks and evaluate their impact on 7-12 mathematics learning and teaching. It is intended that students will reflect on the influence of cognitivist and constructivist perspectives on classroom practices and design of productive learning environments. Seminars will also focus on cultural, social and organisational constraints that have traditionally impeded access to mathematics. The use of Information Technology in the examination of growth of deeper understanding of selected mathematics concepts will be explored further. It will build on the understandings and skills developed in EDUT204 and EDUT304, preparing students for Professional Practice and leading to the development of confidence and competence in applying class management skills, and facilitating the use of post-lesson reflection and evaluation.

EDUT405 Critical Approaches To Curriculum

Autumn Loftus On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject covers fundamental principles of curriculum design, implementation and evaluation, and critiques them from a variety of perspectives, within NSW, Australian and international contexts. This subject addresses issues such as the competing interests of different curriculum stakeholders, questions of rigour and the determination of subject content, unequal learning outcomes, critiques of the curriculum within academic, media and political domains and the contribution of research in learning and teaching. Part of the subject will require students to apply these critiques to their own teaching subject(s).

EDUT406 Professional Science Community 111

Spring Loftus On Campus

Credit Points: 12

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will focus on how to become an effective member of a secondary science staff. This includes understanding the stage 4-6 syllabus documents, related school documents, how to plan a teaching program, how to devise assessment and reporting schemes, devise and organise resources as well as how to work in a team. Seminars will also focus on cultural, social and organisational constraints that have traditionally impeded access to science. The use of IT in the examination of growth of deeper understanding of selected science concepts will be explored further. It will build on the understandings and skills developed in EDUT306 and, preparing students for Professional Practice and leading to the development of confidence and competence in applying class management skills, and facilitating the use of post-lesson reflection and evaluation. This subject consists of a five-week block.

EDUT422 Reflective Practice

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: In this subject students will study the application of action research as it relates to inquiry in professional settings. This subject develops the knowledge and skills needed to develop and implement an inquiry project in an educational setting.

EDUT432 Inquiry Project in Education

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will require students to plan, conduct and report upon an inquiry focused upon educational aspects of a Key Learning Area or educational problem. Skills in library research, critical analysis of selected educational literature, and critical review of journal material are relevant to the inquiry project. The project will consist of a collaborative or individually-defined topic that is negotiated with the supervisor.

EDUT490 Project In Early Childhood

Annual Wollongong Flexible

Credit Points: 12

Pre-requisites: None

Co-requisites: None

Subject Description: This subject deals with the theory and practice of action research in early childhood classrooms and other institutions or young children. Students will undertake an action research project on an approved topic.

EDUT493 Thesis

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: None

Co-requisites: None

Subject Description: The student will be required to complete a thesis, approximately 20,000 words, in length, based upon a course of supervised study on a topic chosen by the student and approved by the supervisor.

EDUT495 Selected Topics in Early Childhood Education

Annual Wollongong On Campus

Credit Points: 18

Pre-requisites: EDUF303

Co-requisites: None

Subject Description: The student will be required to undertake Advanced Research methods as a component of this subject.

EDUT496 Honours Thesis in Early Childhood

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: None

Co-requisites: None

Subject Description: The student will be required

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

to complete a thesis, approximately 20,000 words based upon a course of supervised study on a topic chosen by the student and approved by the supervisor.

EDUZ401 Education Honours

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: 24 cp of 300-level

Education at credit level or better

Co-requisites: None

Subject Description: Emphasis within this course is on both quantitative and qualitative approaches to research. The main emphasis in the taught components will be upon the nature of evidence, types of evidence, analysis and integration of evidence. Thesis topics will normally be selected from the areas of: Cognitive studies and learning; Curriculum studies; Language development and curriculum; Measurement and evaluation; Cross-cultural psychology; History of education; Gender studies; Literacy studies; Sociology of Education.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Faculty of Engineering

Member Units

School of Civil, Mining and Environmental Engineering
 School of Engineering Physics
 School of Mechanical, Materials and Mechatronic Engineering

Degrees Offered

Bachelor of Engineering
 Bachelor of Medical and Radiation Physics Advanced (Honours)
 Bachelor of Medical and Radiation Physics
 Bachelor of Science (Materials)
 Bachelor of Science (Photonics)
 Bachelor of Science (Honours) Advanced Program – Physics
 Bachelor of Science (Physics)
 Bachelor of Science (Physics and Mathematics)

Double Degrees

Bachelor of Engineering - Bachelor of Arts
 Bachelor of Engineering - Bachelor of Commerce
 Bachelor of Engineering - Bachelor of Computer Science
 Bachelor of Engineering - Bachelor of Mathematics
 Bachelor of Engineering - Bachelor of Science
 Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science)
 Bachelor of Science (Physics) – Bachelor of Mathematics

Refer to the Faculty of Science for the following double degrees and Nanotechnology degrees:

Bachelor of Commerce – Bachelor of Science (Physics)
 Bachelor of Nanotechnology
 Bachelor of Science (Nanotechnology)

Refer to the Faculty of Arts for the following double degree:

Bachelor of Arts – Bachelor of Science (Physics)

Refer to the Faculty of Creative Arts for the following double degree:

Bachelor of Creative Arts – Bachelor of Science (Physics)

Refer to the Faculty of Law for the following double degree:

Bachelor of Law – Bachelor of Science (Physics)
 Bachelor of Engineering - Bachelor of Laws
 Refer to the Faculty of Informatics for the following double degree:
 Bachelor of Engineering (Computer, Electrical or Telecommunications) – Bachelor of Science (Physics)

For tuition fee information please see the following:

Domestic – www.uow.edu.au/student/finances/studentcontributions.html

International – www.uow.edu.au/prospective/international/fees/

This publication contains information which is current at December 2006. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Engineering

Civil Engineering
Environmental Engineering
Materials Engineering
Mechanical Engineering
Mechatronic Engineering
Mining Engineering

Course Requirements

The normal full-time load for a Bachelor of Engineering is 48 credit points per year and, apart from thesis and professional experience subjects, all subjects have a credit point value of 6. All students must complete the required number of credit points and satisfy all course requirements for a degree or double degree before graduation. Refer to course structures below.

The Bachelor of Engineering normally takes four years to complete, with double majors and double degrees normally taking five years to complete. All students must take notice of the Course Rules regarding minimum rate of progress.

Full-time Bachelor of Engineering students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between the third and fourth years.

Each student must prepare a substantial project (thesis) on a research or design topic under the supervision of an academic staff member. There are two thesis options – ENGG452 Thesis A (12 credit points) and ENGG453 Thesis B (18 credit points). ENGG453 may be taken by students in the Engineering Scholars Program, or by other high achieving students, with permission of the Sub Dean. ENGG453 students are exempt from one 6cp elective.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Explicit details will be provided to students at the commencement of each subject by the subject coordinator.

Students should attend all classes including lectures, tutorials and laboratory classes.

Scholars Program

Students require a UAI of 93 to enter the Scholars Program in first year. Once accepted to the program students need to achieve a Weighted Average Mark (WAM) of at least 75 each year to maintain a place. Current students can apply for a course transfer to this program after completion of a minimum of 48 credit points. Scholars Program students must complete all requirements for their respective degrees.

Scholars Research Options

Engineering Scholars Program students have the option of undertaking research projects with the various Faculty Research Units. Students should discuss proposals with the Sub Dean or Discipline Advisor before enrolling in any of the following six credit point elective subjects:

ENGG171 Scholars Research Project 1
ENGG271 Scholars Research Project 2
ENGG371 Scholars Research Project 3

Professional Options

The Faculty encourages the development of engineering skills and knowledge gained in the workplace through Professional Options. Students who work in appropriate industries can enrol in Professional Option subjects and count their industry skills and knowledge toward their degree.

Depending on the degree, and subject to approval by the Discipline Advisor, students will be able to take up to three of the following six credit point Professional Option subjects during their course:

ENGG255 Professional Option 2
ENGG355 Professional Option 3
ENGG455 Professional Option 4

Honours

Honours are awarded at the end of the course on the basis of overall performance throughout the course.

Advanced Standing

Applicants holding relevant TAFE Diplomas and Advanced Diplomas with a credit average will be granted 48 credit points (one year) of advanced standing. Applicants with less than a credit average will be assessed on a case by case basis. Students are advised to take the maximum number of mathematics and science units available in their TAFE course. Credit may also be given for appropriate work experience, or for courses completed in the workplace.

Professional Recognition

The Engineering degrees have been fully recognised by Engineers Australia. This recognition ensures that graduates from this course are admitted, on application, to the grade of Graduate Membership of Engineers Australia.

Study Options – Double Majors

A number of double engineering majors are available:

Bachelor of Engineering – Civil/Mining

Bachelor of Engineering – Civil/Environmental

Bachelor of Engineering – Mining/Environmental

These programs of study usually take five years to complete. Students may apply to transfer to a double major at the end of the first year of study. Study programs are detailed in the following pages.

Study Options – Double Degrees

A number of double degrees are offered by the Faculty of Engineering:

Bachelor of Engineering – Bachelor of Arts

Bachelor of Engineering – Bachelor of Commerce

Bachelor of Engineering – Bachelor of Computer Science

Bachelor of Engineering – Bachelor of Mathematics

Bachelor of Engineering – Bachelor of Science

Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science)

Bachelor of Science (Physics) – Bachelor of Mathematics

Bachelor of Engineering – Bachelor of Laws: refer to the Faculty of Law section of this handbook.

Requirements for each of the double degrees are outlined in the following pages.

Further Studies Options

Graduates can apply for entry to the Master of Engineering Practice, Master of Engineering, Master of Engineering-Research or PhD. Continual education is a requirement for registration as a professional engineer, and most engineers undertake further study and/or short courses. Research opportunities are also available.

Bachelor of Engineering (Civil Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil Engineering)
Abbreviation:	BE(Civl)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721
UAC Code:	755611
CRICOS Code:	027466K

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Overview / Course Aims

The Civil Engineering course aims to provide students with broad-based knowledge, training, skills and experience in areas required for practice in civil engineering. Upon satisfactory completion of the course students should be able to practise in areas requiring skills for planning, design and construction of buildings and bridges, dams, harbours, water supply systems, waste management systems, airports, roads, tunnels and railways. Graduates, therefore, will be able to integrate technical, planning, organisational, management and financial skills, with an emphasis on those areas as their talents allow.

Career Opportunities

Opportunities exist in the design, construction, maintenance and management of roads, railways, bridges, buildings, supply of water and electricity, dams and port facilities.

Study Options

The degree can be combined with Environmental or Mining Engineering in second year. Double degrees are also available.

Course Program

Subject	Session	Credit Points
Year 1		
CHEM103 Chemistry for Engineers	Autumn	6
ENGG101 Foundations of Engineering	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
ENGG152 Engineering Mechanics	Spring	6
ENGG154 Engineering Design and Innovation	Spring	6
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
PHYS143 Physics for Engineers	Spring	6
Year 2	Session	Credit Points
CIVL272 Surveying	Autumn	6
ENGG251 Mechanics of Solids	Autumn	6
ENGG252 Engineering Fluid Mechanics	Autumn	6
MATH283 Mathematics 2E for Engineers Part 1	Autumn	6
CIVL245 Construction Materials	Spring	6
CIVL296 Engineering Computing 1	Spring	6
ECTE290 Fundamentals of Electrical Engineering	Spring	6
EESC252 Geology for Engineers 1	Spring	6
Year 3	Session	Credit Points
CIVL311 Structural Design 1	Autumn	6
CIVL352 Structures 1	Autumn	6
CIVL361 Geomechanics 1	Autumn	6
CIVL392 Engineering Computing 2	Autumn	6
CIVL314 Structural Design 2	Spring	6
CIVL322 Hydraulics and Hydrology	Spring	6
CIVL394 Construction	Spring	6
ENGG361 Project and Business Management	Spring	6
Year 4	Session	Credit Points
CIVL462 Geomechanics 2	Autumn	6

CIVL489	Roads Engineering	Autumn	6
ENGG461	Management and Human Factors in Engineering	Autumn	6
CIVL444	Civil Engineering Design	Spring	6
CIVL454	Structures 2	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453**	Thesis B	Annual	18
ENGG454	Professional Experience		0
plus	1 elective		6
Electives listed below			Credit Points
CIVL415	Structural Design 3		6
CIVL457	Structures 3		6
CIVL463	Applied Geotechnical Engineering		6
CIVL487	Traffic Engineering		6
CIVL491	Engineering Computing 3		6
CIVL495	Public Health Engineering		6
ECON101	Macroeconomic Essentials for Business		6
ECON111	Introductory Microeconomics		6
ECON215	Microeconomic Theory and Policy		6
EESC210	Social Spaces: Rural and Urban		6
EESC208	Environmental Impact of Societies		6
EESC305	Remote Sensing of the Environment		6
ENVE410	Site Remediation	Spring	6
MINE311	Surface Mining and Blasting		6

All electives may not be available every year – check subject timetable.

** 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

Bachelor of Engineering (Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Environmental Engineering)
Abbreviation:	BE (Enve)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	733
UAC Code:	755612
CRICOS Code:	027466K

Overview / Course Aims

The Environmental Engineering course aims to provide students with broad based knowledge, training, skills and experience in areas required for practice in environmental engineering.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Career Opportunities

Graduates of this course will be able to work for industry, government agencies and engineering consultancies. The range of work that will lead to Sustainable Development include: integrated water cycle management; monitoring, analysis, modelling and design to control water, air, noise and soil pollution; recycling and re-use of water; renewable energy technologies, including solar, wind, wave and biomass; treatment and disposal of solid and hazardous waste; site remediation; onsite treatment systems; and cleaner production and industrial waste management.

Study Options

The degree can be combined with Civil or Mining Engineering in second year. Double degrees are also available.

Course Program

Subject	Session	Credit Points
Year 1		
CHEM103 Chemistry for Engineers	Autumn	6
ENGG101 Foundations of Engineering	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
ENGG152 Engineering Mechanics	Spring	6
ENGG154 Engineering Design and Innovation	Spring	6
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
PHYS143 Physics for Engineers	Spring	6
Year 2		
CIVL296 Engineering Computing 1	Spring	6
ENGG251 Mechanics of Solids	Autumn	6
ENGG252 Engineering Fluid Mechanics	Autumn	6
MATH283 Mathematics 2E for Engineers Part 1	Autumn	6
CHEM214 Analytical and Environmental Chemistry	Spring	6
CIVL272 Surveying	Autumn	6
ENVE220 Water Quality Engineering	Spring	6
ENVE221 Air and Noise Pollution	Spring	6
Year 3		
BIOL352 Biology for Environmental Engineers	Autumn	6
CIVL361 Geomechanics 1	Autumn	6
ENVE320 Environmental Engineering Design 1	Autumn	6
CIVL322 Hydraulics and Hydrology	Spring	6
ENGG361 Project and Business Management	Spring	6
ENVE311 Pollution Control and Cleaner Production	Autumn	6
ENVE321 Solid and Hazardous Waste Management	Spring	6
plus 1 elective	Spring	6
Year 4		
CIVL462 Geomechanics 2	Autumn	6
ENGG461 Management and Human Factors in Engineering	Autumn	6
ENVE410 Site Remediation	Spring	6
ENVE421 Environmental Engineering Design 2	Spring	6
ENGG452 Thesis A	Annual	12
or		

ENGG453**	Thesis B	Annual	18
ENGG454	Professional Experience		0
plus	2 electives	Autumn/Spring	12
Electives listed below*			
ACCY100	Accounting 1A		6
CIVL392	Engineering Computing 2		6
CIVL394	Construction		6
CIVL463	Applied Geotechnical Engineering		6
CIVL489	Roads Engineering		6
ECON101	Macroeconomic Essentials for Business		6
ECON111	Introductory Microeconomics		6
ENVE420	Water Engineering		6
ENVE422	Membrane Science and Technology		6
EESC208	Environmental Impact of Societies		6
EESC303	Fluvial Geomorphology and Sedimentology		6
EESC304	Geographic Information Science		6
EESC305	Remote Sensing of the Environment		6
EESC252	Geology for Engineers 1		6
LAW100	Law in Society		6
LAW210	Contract Law		8
LAW334	Environmental Law		6
MECH341	Thermodynamics		6
MECH343	Heat Transfer and Gas Dynamics		6
MECH378	Sustainable Energy Technologies		6
MECH438	Sustainable Transport and Engine Technologies		6
STS216	Environment in Crisis: Technology and Society		6
STS376	The Politics of Risk		6
STS399	Research Topics in Science and Technology Studies		6
*Electives may not be available every year – check subject timetable. Students are encouraged to take MECH378 as the third year elective and ENVE422 as one of the fourth year electives.			
** 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.			

Bachelor of Engineering (Materials Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Materials Engineering)
Abbreviation:	BE (Matl)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	732
UAC Code:	755613
CRICOS Code:	027466K

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Overview / Course Aims

The objective of the Materials Engineering course is to provide students with the knowledge and skills necessary for the design, development, production and application of engineering materials for gainful use by society. This objective is achieved through detailed study of the relationships between the structure, processing and properties of materials. The course is also designed to provide training in effective communication, management and teamwork skills, and the environmental sensitivity required of modern engineers.

Career Opportunities

Opportunities exist in a wide range of industries from materials processing industries (steel, copper, aluminium, plastics, ceramics and composites) through to manufacturing and product design. Many graduates work in engineering consultancy companies dealing with failure analysis, corrosion, life-time assessment, and materials testing. Other graduates pursue a research career, as materials technology (and similar areas such as nanotechnology) is recognised worldwide as a key research strength and driver of economic prosperity. Many research opportunities exist in universities and government (eg. CSIRO) and private sector laboratories both in Australia and overseas.

Study Options

In the final year, students can choose a series of elective subjects from a number of specialist areas: Materials Science and Technology, Metallurgical Processing or Materials Manufacturing.

Double degrees are also available.

Course Program

Subject	Session	Credit Points
Year 1		
CHEM103 Chemistry for Engineers	Autumn	6
ENGG101 Foundations of Engineering	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
ENGG152 Engineering Mechanics	Spring	6
ENGG154 Engineering Design and Innovation	Spring	6
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
PHYS143 Physics for Engineers	Spring	6
Year 2		
MATE201 Structure and Properties of Materials	Autumn	6
MATE202 Thermodynamics and Phase Equilibria	Autumn	6
MATE291 Engineering Computing and Laboratory Skills	Autumn	6
MATH283 Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290 Fundamentals of Electrical Engineering	Spring	6
MATE203 Phase Transformations	Spring	6
MATE204 Mechanical Behaviour and Fracture	Spring	6
MATE304 Transport Phenomena in Materials Processing	Spring	6
Year 3		
ENGG251 Mechanics of Solids	Autumn	6
MATE301 Engineering Alloys	Autumn	6
MATE302 Polymeric Materials	Autumn	6
MATE391 Materials Testing Techniques	Spring	6
ENGG361 Project and Business Management	Spring	6
MATE303 Ceramics, Glass and Refractories	Spring	6

MATE305	Primary Materials Processing	Spring	6
MATE306	Degradation of Engineering Materials	Autumn	6
Year 4			
ENGG461	Management and Human Factors in Engineering	Autumn	6
MATE401	Selection of Materials in Engineering Design	Spring	6
MATE402	Secondary Materials Processing	Autumn	6
ENGG452	Thesis A	Annual	12
or			
ENGG453**	Thesis B	Annual	18
ENGG454	Professional Experience		0
plus	3 electives	Autumn/Spring	18

Electives listed below*

Materials Science and Technology

MATE411	Advanced Materials and Processing	6
MATE412	Electronic Materials	6
MATE413	Structural Characterisation Techniques	6
MATE433	Surface Engineering	6

Metallurgical Processing

MINE421	Minerals Beneficiation	6
MATE421	Metallurgical Process Engineering	6
MATE422	Iron and Steelmaking	6
MATE432	Mechanical and Thermal Processing	6

Materials Manufacturing

ENGG434	Introduction to Materials Welding and Joining	6
MATE431	Sheet Metal Processing	6
MATE432	Mechanical and Thermal Processing	6
MATE433	Surface Engineering	6

* Electives may not be available every year – check subject timetable.

** 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

Bachelor of Engineering (Mechanical Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mechanical Engineering)
Abbreviation:	BE(Mech)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	723
UAC Code:	755614
CRICOS Code:	027466K

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Overview / Course Aims

The aim of this course is to give high quality academic training in mechanical engineering and to produce graduates with the core skills, knowledge and attributes required to practice as professional engineers. These required graduate skills/attributes are transferable to a wide range of careers and include: ability to formulate and solve problems; a creative approach to design and synthesis; excellent oral and written communication skills; ability to work effectively in teams; appreciation of the environmental, social and business contexts of Mechanical Engineering; independent and self-motivated approach; understanding and commitment to lifelong learning; and in-depth technical competence in the Mechanical Engineering discipline.

Career Opportunities

Mechanical Engineering has the broadest scope of all the branches of engineering, and graduates in this field have the core skills to adapt to other fields of engineering. It includes many exciting fields such as advanced manufacturing, metal forming technology, robotics, control of systems, computer aided design and manufacturing, air conditioning, bio-mechanics, powder technology and bearing dynamics. The degree covers a wide range of technical subjects including engineering computing and instrumentation, workshop practice, mechanical engineering design, control of machines and processes, process design and analysis, manufacturing process analysis, manufacturing systems, sustainable energy, transport and engine technologies, dynamics of engineering systems, bulk solids handling technology, fluid power, heat transfer and aerodynamics. Design innovation and project management are important aspects of mechanical engineering. The highlight of the course is the final year thesis, which requires each student to complete a major engineering project in a field of their choice or in research projects funded by government and/or industry.

Study Options

Students can select electives from a number of specialist areas in their final year including: Sustainable Energy and Engineering Systems, Manufacturing Engineering, Applied Mechanics, and Bulk Materials Handling. The list of electives on offer in any one year varies somewhat, depending on staff availability and other factors. Double degrees are also available.

Course Program

Subject	Session	Credit Points
Year 1		
CHEM103 Chemistry for Engineers	Autumn	6
ENGG101 Foundations of Engineering	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
ENGG152 Engineering Mechanics	Spring	6
ENGG154 Engineering Design and Innovation	Spring	6
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
PHYS143 Physics for Engineers	Spring	6
Year 2		
MECH252 Engineering Experimentation and Thermodynamics	Autumn	6
ENGG251 Mechanics of Solids	Autumn	6
ENGG252 Engineering Fluid Mechanics	Autumn	6
MATH283 Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290 Fundamentals of Electrical Engineering	Spring	6
MECH201 Engineering Analysis	Spring	6
MECH215 Fundamentals of Machine Component Design	Spring	6
MECH226 Machine Dynamics	Spring	6
Year 3		
MECH321 Dynamics of Engineering Systems	Autumn	6

MECH341	Thermodynamics	Autumn	6
MECH372	Solids Handling and Process Engineering	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
ENGG361	Project and Business Management	Spring	6
MECH311	Mechanical Engineering Design	Spring	6
MECH343	Heat Transfer and Aerodynamics	Spring	6
MECH365	Control of Machines and Processes	Spring	6
Year 4			
ENGG461	Management and Human Factors in Engineering	Autumn	6
ENGG452	Thesis A	Annual	12
or			
ENGG453**	Thesis B	Annual	18
ENGG454	Professional Experience		0
plus	5 electives	Autumn/Spring	30

Electives listed below*

Sustainable Energy and Engineering Systems

MECH378	Sustainable Energy Technologies	6
MECH442	Sustainable Energy in Buildings	6
MECH474	Systems Engineering and Life Cycle Management	6
MECH479	Sustainable Transport and Engine Technologies	6

Applied Mechanics

MECH417	Biomedical Engineering	6
MECH418	Mechanical Behaviour of Engineering Materials	6
MECH419	Finite Element Methods in Engineering	6
MECH420	Engineering Stress Analysis	6
MECH430	Automotive Dynamics	6
MECH431	Computational Fluid Dynamics	6
MECH438	Fluid Power	6

Bulk Materials Handling

MECH426	Storage and Flow of Bulk Solids	6
MECH427	Mechanical Conveying of Bulk Solids	6
MECH428	Pneumatic Conveying and Dust Control	6
MECH429	Physical Processing of Bulk Solids	6

Manufacturing

MECH409	Micro/Nano Robotic Systems	6
MECH421	Manufacturing Process Analysis	6
MECH422	Design and Analysis of Manufacturing Systems	6
MECH423	Design for Manufacturing	6
MECH424	Managing Manufacturing Activities	6
MECH468	Computer Control of Machines and Processes	6
ENGG434	Materials Welding and Joining	6
MECH487	Systems Analysis for Maintenance Management	6
MECH488	Introduction to Condition Monitoring in Mechanical Engineering	6
MECH489	Maintenance Management	6
ECTE494	Robotics	6

* Not all electives may be available each year – check subject timetable. Electives may be taken in other departments, subject to written approval by the Discipline Advisor (maximum of two for full-time and one for part-time students).

** 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Bachelor of Engineering (Mechatronic Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mechatronic Engineering)
Abbreviation:	BE(Tron)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	759
UAC Code:	755616
CRICOS Code:	027466K

Overview / Course Aims

Mechatronics is the combination of Mechanical, Electrical and Computer technologies. As an engineering field, it finds its roots in mechanical engineering, electrical/electronics engineering and software engineering. These engineering fields complement each other to design and realise products, systems and processes which are more efficient, intelligent, and cost effective than their predecessors. The examples of mechatronic systems include autonomous robots, internet controlled machines and processes, engine management systems, ATM machines, remotely controlled ore-diggers, photocopiers, CD/DVD burners, cameras, washing machines, unmanned air vehicles, micro air vehicles, Micro- and Nano- Electromechanical Systems (MEMS and NEMS) and so on.

The aim of the Mechatronics program is to produce graduates with the core skills, knowledge and attributes that will help them excel as professional engineers. These skills and attributes include: the ability to formulate and solve problems; a creative approach to design and synthesis; excellent oral and written communication skills; ability to work effectively in teams; appreciation of the environmental, social and business contexts of Engineering; independent and self-motivated approach; understanding and commitment to lifelong learning; and in-depth technical competence in the field of Mechatronic Engineering.

Career Opportunities

Opportunities exist in the rapidly developing fields of micro/nano electromechanical systems, digital electronics, information technology, robotic systems, manufacturing industry, aerospace industry, mining industry, health industry, asset and maintenance management etc. where mechanical and electrical engineers are traditionally employed. Whenever there is a need to develop and use engineering systems/products/processes based on integrating mechanical components with electrical and electronic components, through software and hardware, there will be career opportunities for mechatronic engineers.

Study Options

Double degrees are also available.

Course Program

Subject	Session	Credit Points
Year 1		
CSCI1191 Programming for Engineers	Autumn	6
ENGG101 Foundations of Engineering	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
ECTE172 Introduction to Circuits and Devices	Spring	6
ENGG152 Engineering Mechanics	Spring	6

ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
MECH 226	Machine Dynamics	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 3*			
ECTE344	Control Theory	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
MECH340	Fluid Dynamics and Heat Transfer	Autumn	6
ECTE212**	Electronics	Spring	6
ECTE323	Power Engineering 2	Spring	6
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management	Annual	6
MECH311	Mechanical Engineering Design	Spring	6
Year 4*			
ECTE301	Digital Signal Processing 1	Autumn	6
ENGG461	Management and Human Factors in Engineering	Autumn	6
ECTE494	Robotics	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453****	Thesis B	Annual	18
or			
ECTE457	Thesis	Annual	18
ENGG454	Professional Experience		0
Plus	2 electives***	Autumn	6
or	3 electives*** (only if ENGG452 is taken for Thesis)	Autumn	12
		Spring	6

*Years 3 and 4 are being reviewed. Transition arrangements will be organised for students as necessary.

** Not for students who completed ECTE313 prior to 2006.

*** Electives are chosen from the list of electives on offer in the Faculties of Engineering and Informatics.

The final year study program is to be determined in consultation with the Discipline Advisor.

**** 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

Bachelor of Engineering (Mining Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mining Engineering)
Abbreviation:	BE (Mine)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	Location:	Wollongong
	Approx. UAI Entry:	80
	Assumed Knowledge:	Any two units of English plus Mathematics
	Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
	UOW Course Code:	724
	UAC Code:	755615
	CRICOS Code:	027466K

Overview / Course Aims

The Mining Engineering course aims to provide students with broad-based knowledge, training, skills and experience in areas required for practice in mining engineering. Upon satisfactory completion of the course, students should be able to practice in areas requiring skills for mine planning and design, rock excavation, water and gas drainage, and mine environment control. Graduates therefore, will be able to integrate technical, planning, organisational, management and financial skills with an emphasis on those areas as their talents allow.

Career Opportunities

Graduates of this course will be able to work for mines, government agencies and for engineering consultancies. Opportunities exist in the design and management of mines as well as mineral production.

Study Options

The degree can be combined with Environmental or Civil Engineering in second year. Double degrees are also available.

Course Program

Subject	Session	Credit Points
Year 1		
CHEM103 Chemistry for Engineers	Autumn	6
ENGG101 Foundations of Engineering	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
ENGG152 Engineering Mechanics	Spring	6
ENGG154 Engineering Design and Innovation	Spring	6
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
PHYS143 Physics for Engineers	Spring	6
Year 2		
CIVL296 Engineering Computing 1	Autumn	6
ENGG251 Mechanics of Solids	Autumn	6
ENGG252 Engineering Fluid Mechanics	Autumn	6
MATH283 Mathematics 2E for Engineers Part 1	Autumn	6
MINE221 Underground Coal Mining	Spring	6
CIVL272 Surveying	Spring	6
ECTE290 Fundamentals of Electrical Engineering	Spring	6
EESC252 Geology for Engineers 1	Spring	6
Year 3		
CIVL361 Geomechanics 1	Autumn	6
MINE312 Mine Ventilation	Autumn	6
plus 2 electives	Spring	6
ENGG361 Project and Business Management	Spring	6

EESC306	Resources and Environments	Spring	6
MINE321	Underground Metal Mining	Autumn	6
MINE323	Mining Geomechanics	Autumn	6
Year 4			
ENGG461	Management and Human Factors in Engineering	Autumn	6
MINE411	Health and Safety in Mines	Autumn	6
MINE422	Mine Planning and Development	Spring	6
plus	1 elective	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453**	Thesis B	Annual	18
ENGG454	Professional Experience		0

Electives listed below*

CIVL392	Engineering Computing 2	6
EESC213	Introduction to Spatial Science	8
EESC304	Geographic Information Science	8
ECON101	Macroeconomic Essentials for Business	6
ECON111	Introductory Microeconomics	6
ECON215	Microeconomic Theory and Policy	6
MINE431	Mine Water	6
MINE433	Geostatistical Ore Reserve Estimation	6
MINE434	Special Topics in Mining Engineering	6
MINE438	Environmental Impact of Minerals Operation	6

* Electives may not be available every year – check subject timetable.

** 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

Bachelor of Engineering (Civil and Mining Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil and Mining Engineering)
Abbreviation:	BE(CIMI)
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	246
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	726
UAC Code:	N/A
CRICOS Code:	006984F

Overview / Course Aims

Refer to the descriptions for both the Civil and Mining Engineering programs above.

Course Program

Subject	Session	Credit Points
Year 1		

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	CHEM103	Chemistry for Engineers	Autumn	6
	ENGG101	Foundations of Engineering	Autumn	6
	ENGG153	Engineering Materials	Autumn	6
	MATH141	Mathematics 1C Part 1	Autumn	6
Commerce	or			
	MATH187	Mathematics 1A Part 1	Autumn	6
	ENGG152	Engineering Mechanics	Spring	6
	ENGG154	Engineering Design and Innovation	Spring	6
Creative Arts	MATH142	Mathematics 1C Part 2	Spring	6
	or			
	MATH188	Mathematics 1A Part 2	Spring	6
	PHYS143	Physics for Engineers	Spring	6
Education	Year 2			
	CIVL272	Surveying	Autumn	6
	ENGG251	Mechanics of Solids	Autumn	6
	ENGG252	Engineering Fluid Mechanics	Autumn	6
Engineering	MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
	MINE221	Underground Coal Mining	Spring	6
	CIVL245	Construction Materials	Spring	6
	CIVL296	Engineering Computing 1	Spring	6
Health & Behavioural Sciences	ECTE290	Fundamentals of Electrical Engineering	Spring	6
	EESC252	Geology for Engineers 1	Spring	6
	Year 3			
	CIVL361	Geomechanics 1	Autumn	6
Informatics	CIVL392	Engineering Computing 2	Autumn	6
	MINE312	Mine Ventilation	Autumn	6
	CIVL394	Construction	Spring	6
	EESC306	Resources and Environments	Spring	6
Law	ENGG361	Project and Business Management	Spring	6
	MINE321	Underground Metal Mining	Spring	6
	MINE311	Surface Mining and Blasting	Spring	6
	Year 4			
Science	CIVL311	Structural Design 1	Autumn	6
	CIVL352	Structures 1	Autumn	6
	MINE411	Health and Safety in Mines	Autumn	6
	MINE412	Mining Economics	Autumn	6
	ENGG461	Management and Human Factors in Engineering	Autumn	6
	CIVL314	Structural Design 2	Spring	6
	CIVL322	Hydraulics and Hydrology	Spring	6
	MINE323	Mining Geomechanics	Spring	6
	MINE421	Minerals Beneficiation	Spring	6
	Year 5			
	CIVL462	Geomechanics 2	Autumn	6
	CIVL489	Roads Engineering	Autumn	6
	CIVL444	Civil Engineering Design	Spring	6
	CIVL454	Structures 2	Spring	6
	MINE422	Mine Planning and Development	Spring	6
	ENGG452	Thesis A	Annual	12
	or			
	ENGG453★	Thesis B	Annual	18

ENGG454 Professional Experience
 ★ 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

0

Bachelor of Engineering (Civil and Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil and Environmental Engineering)
Abbreviation:	BE (CIEV)
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	240
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721A
UAC Code:	NA
CRICOS Code:	006984F

Overview/Course Aims

Refer to the descriptions for both the Civil and Environmental Engineering programs above.

Course Program

Subject	Session	Credit Points
Year 1		
CHEM103 Chemistry for Engineers	Autumn	6
ENGG101 Foundations of Engineering	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
ENGG152 Engineering Mechanics	Spring	6
ENGG154 Engineering Design and Innovation	Spring	6
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
PHYS143 Physics for Engineers	Spring	6
Year 2		
CIVL272 Surveying	Autumn	6
ENGG251 Mechanics of Solids	Autumn	6
ENGG252 Engineering Fluid Mechanics	Autumn	6
MATH283 Mathematics 2E for Engineers Part 1	Autumn	6
CIVL245 Construction Materials	Spring	6
CIVL296 Engineering Computing 1	Spring	6
EESC252 Geology for Engineers 1	Spring	6
ENVE220 Water Quality Engineering	Spring	6
Year 3		
CIVL361 Geomechanics 1	Autumn	6
CIVL392 Engineering Computing 2	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BIOL352	Biology for Environmental Engineers	Autumn	6
	ENVE311	Pollution Control and Cleaner Production	Autumn	6
	CHEM214	Analytical and Environmental Chemistry	Spring	6
	ECTE290	Fundamentals of Electrical Engineering	Spring	6
	ENVE221	Air and Noise Pollution	Spring	6
	ENGG361	Project and Business Management	Spring	6
Commerce	Year 4			
	CIVL311	Structural Design 1	Autumn	6
	CIVL352	Structures 1	Autumn	6
	ENVE320	Environmental Engineering Design 1	Autumn	6
	ENGG461	Management and Human Factors in Engineering	Autumn	6
Creative Arts	CIVL314	Structural Design 2	Spring	6
	CIVL322	Hydraulics and Hydrology	Spring	6
	CIVL394	Construction	Spring	6
	ENVE321	Solid and Hazardous Waste Management	Spring	6
	Year 5			
Education	CIVL489	Roads Engineering	Autumn	6
	CIVL454	Structures 2	Spring	6
	CIVL444	Civil Engineering Design	Spring	6
	CIVL462	Geomechanics 2	Autumn	6
	ENVE410	Site Remediation	Spring	6
	ENVE421	Environmental Engineering Design 2	Spring	6
	ENGG452	Thesis A	Annual	12
Engineering	or			
	ENGG453★	Thesis B	Annual	18
	ENGG454	Professional Experience		0
	★18cp thesis is equivalent to the 12cp thesis and one 6cp elective			

Bachelor of Engineering (Mining and Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mining and Environmental Engineering)
Abbreviation:	BE (MIEV)
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	246
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	724A
UAC Code:	NA
CRICOS Code:	006984F

Overview / Course Aims

Refer to the descriptions for both the Environmental and Mining Engineering programs above.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
CIVL296	Engineering Computing 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
ENVE220	Water Quality Engineering	Spring	6
EESC252	Geology for Engineers 1	Spring	6
MINE221	Underground Coal Mining	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
BIOL352	Biology for Environmental Engineers	Autumn	6
ENVE311	Pollution Control and Cleaner Production	Autumn	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
CIVL272	Surveying	Spring	6
ENVE221	Air and Noise Pollution	Spring	6
EESC306	Resources and Environments	Spring	6
Year 4			
ENVE320	Environmental Engineering Design 1	Autumn	6
MINE312	Mine Ventilation	Autumn	6
MINE411	Health and Safety in Mines	Autumn	6
ENGG361	Project and Business Management	Spring	6
ENVE321	Solid and Hazardous Waste Management	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
MINE321	Underground Metal Mining	Autumn	6
MINE323	Mining Geomechanics	Autumn	6
Year 5			
ENGG461	Management and Human Factors in Engineering	Autumn	6
ENVE410	Site Remediation	Spring	6
ENVE421	Environmental Engineering Design 2	Spring	6
MINE422	Mine Planning and Development	Spring	6
ENGG452	Thesis A	Annual	12
Or			

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

ENGG453★	Thesis B	Annual	18
ENGG454	Professional Experience		0
★18cp thesis is equivalent to the 12cp thesis and one 6cp elective			

Bachelor of Medical and Radiation Physics Advanced (Honours)

Testamur Title of Degree:	Bachelor of Medical and Radiation Physics Advanced (Honours)
Abbreviation:	BMRPA
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	95
Assumed Knowledge:	Any two units of English plus Physics and Mathematics
Recommended Studies:	English Advanced, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	784
UAC Code:	757616
CRICOS Code:	032584F

Overview / Course Aims

The Bachelor of Medical and Radiation Physics Advanced (Honours) degree is designed to produce graduates with a strong background in physics and with the specialist skills in Medical Radiation Physics necessary to find employment in hospitals, research or industry.

Students will gain knowledge in areas relating to nuclear medicine, radiation physics, detector and instrumentation physics and data analysis. Graduates working in the area require both a theoretical background and practical skills in physics, with an emphasis on advanced knowledge and practice in specialist areas applicable to medical physics.

Professional medical physicists from major hospitals in the State will deliver key lectures and practical work as well as co-supervising thesis work. Students will find that they will move easily into employment and/or postgraduate work in this specialised area.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structure below. The Bachelor of Medical and Radiation Physics Advanced (Honours) normally takes four years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

This four-year degree will be awarded at either Pass or Honours level, depending on the student's performance throughout the degree.

Professional Recognition

The Bachelor of Medical and Radiation Physics Advanced (Honours) degree conforms to the requirements for membership of the Australian Institute of Physics.

Further Studies Options

Graduates can apply for entry to the Master of Science – Research or PhD.

Career Opportunities

Opportunities exist as medical physicists, researchers, occupational health and safety work and in radiation research and development.

Course Program

Subject	Session	Credit Points
Year 1		
BMS101 Systemic Anatomy	Autumn	6
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals Physics A	Autumn	6
BMS112 Human Physiology	Spring	6
MATH188 Mathematics 1A Part 2	Spring	6
PHYS142 Fundamentals Physics B	Spring	6
plus 2 electives (6cp each)		12
Year 2		
MATH201 Multivariate and Vector Calculus	Autumn	6
MATH253 Linear Algebra	Autumn	4
or		
MATH203 Linear Algebra	Autumn	6
PHYS205 Advanced Modern Physics	Autumn	6
PHYS235 Mechanics and Thermodynamics	Autumn	6
MATH291 Differential Equations	Spring	3
or		
MATH202 Differential Equations 2	Spring	6
PHYS215 Vibrations, Waves and Optics	Spring	6
PHYS225 Electromagnetism and Optoelectronics	Spring	6
PHYS255 Radiation Physics	Spring	6
plus 1 elective (if needed) or (highly recommended)		6
MATH293 Complex Variables	Spring	4
Year 3		
PHYS305 Quantum Mechanics	Autumn	6
PHYS325 Electromagnetism	Autumn	6
PHYS365 Detection of Radiation: Neutrons, Electrons and X-Rays	Autumn	6
PHYS366 Physics of Radiotherapy	Autumn	6
PHYS375 Nuclear Physics	Spring	6
PHYS385 Statistical Mechanics	Spring	6
PHYS396 Electronic Materials	Spring	6
plus 1 elective		6
Year 4		
PHYS451 Nuclear Medicine	Annual	8
PHYS452 Medical Imaging	Annual	8
PHYS457 Research Project	Annual	24
PHYS453 Radiobiology and Radiation Protection	Spring	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Medical and Radiation Physics

Arts	Testamur Title of Degree:	Bachelor of Medical and Radiation Physics
	Abbreviation:	BMRP
	Home Faculty:	Faculty of Engineering
	Duration:	3 years full-time or part-time equivalent
Commerce	Total Credit Points:	144
	Delivery Mode:	Face-to-face
	Starting Session(s):	Autumn/Spring
	Location:	Wollongong
	Approx. UAI Entry:	85
	Assumed Knowledge:	Any two units of English plus Physics and Mathematics
Creative Arts	Recommended Studies:	English Advanced, Chemistry and HSC Mathematics Ext. 1
	UOW Course Code:	847
	UAC Code:	757616
	CRICOS Code:	052461G

Overview / Course Aims

The Bachelor of Medical and Radiation Physics degree is designed to produce graduates with a strong background in physics with the specialist skills in Medical Radiation Physics necessary to find employment in hospitals, research or industry.

Students will gain knowledge in areas relating to nuclear medicine, radiation physics, detector and instrumentation physics, and data analysis. Graduates working in the area require both a theoretical background and practical skills in physics, with an emphasis on advanced knowledge and practice in specialist areas applicable to medical physics.

Professional medical physicists from major hospitals in the State will deliver key lectures and practical work as well as co-supervising thesis work. Students will find that they will move easily into employment and/or postgraduate work in this specialised area.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structure below. The Bachelor of Medical and Radiation Physics normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Professional Recognition

The Bachelor of Medical and Radiation Physics degree conforms to the requirements for membership of the Australian Institute of Physics.

Further Studies Options

Graduates can apply for entry to the Master of Science – Research or PhD.

Career Opportunities

Opportunities exist as medical physicists, researchers, occupational health and safety work and in radiation research and development.

Course Program

Subject	Session	Credit Points
Year 1		
BMS101 Systemic Anatomy	Autumn	6
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals Physics A	Autumn	6

BMS112	Human Physiology	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
plus	2 electives (6cp each)		12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH253	Linear Algebra	Autumn	4
or			
MATH203	Linear Algebra	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH291	Differential Equations	Spring	3
or			
MATH202	Differential Equations 2	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS255	Radiation Physics	Spring	6
plus	1 elective (if needed)		6
	or (highly recommended)		
MATH293	Complex Variables	Spring	4
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X-Rays	Autumn	6
PHYS366	Physics of Radiotherapy	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS396	Electronic Materials	Spring	6
plus	1 elective		6

The first three years of the Bachelor of Medical and Radiation Physics Advanced (Honours) program listed above.

Bachelor of Science (Materials)

Testamur Title of Degree:	Bachelor of Science (Materials)
Abbreviation:	BSc (Materials)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	75
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757636
CRICOS Code:	031274F

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Overview / Course Aims

The objective of the Materials Science course is to provide the scientific knowledge and technical skills necessary for a successful materials based career in areas such as quality control and laboratory testing, materials process control, and research and development in government and private sector laboratories. It also provides an ideal basis for those who wish to pursue a career in secondary teaching.

The core materials subjects involve detailed study of the structure of properties of metals, ceramics and polymers.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structures below. The Bachelor of Science (Materials) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Study Options

Electives in second and third years are normally selected to provide a coherent minor in a particular field, eg. Materials, Chemistry, Science and Technology Studies or Engineering. Suggested elective programs are listed below. Students should consult their course advisor when choosing elective subjects.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Advanced Standing

Applicants holding relevant TAFE Diplomas and Advanced Diplomas with a consistently good performance will normally be granted 48 credit points (one year) of advanced standing.

Students are advised to take the maximum number of mathematics and science units available in their TAFE course.

Further Studies Options

Graduates can apply for entry to Honours in Materials or Master of Science – Research.

Career Opportunities

Opportunities exist in teaching, industry, administration, scientific communication and research.

Course Program

Subject	Session	Credit Points
Year 1		
CHEM101 Chemistry 1A	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals Physics A	Autumn	6
CHEM102 Chemistry 1B	Spring	6
ENGG154 Engineering Design and Innovation	Spring	6
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
PHYS142 Fundamentals Physics B	Spring	6
Year 2		
MATE201 Structure and Properties of Materials	Autumn	6
MATE202 Thermodynamics and Phase Equilibria	Autumn	6

MATE291	Engineering Computing and Laboratory Skills	Autumn	6
MATE203	Phase Transformation	Spring	6
MATE204	Mechanical Behaviour	Spring	6
plus	3 electives		18
Year 3			
MATE301	Engineering Alloys	Autumn	6
MATE302	Polymeric Materials	Autumn	6
MATE391	Materials Testing	Spring	6
MATE303	Ceramics, Glass and Refractories	Spring	6
plus	4 electives		24
Year 4 (Honours)			
MATE406	Research Project	Annual	24
plus	4 electives		
Materials Electives			
MATE411	Advanced Materials and Processing		6
MATE412	Electronic Materials		6
MATE305	Primary Materials Processing		6
MATE402	Secondary Materials Processing		6
MATE413	Structural Characterisation Techniques		6
Chemistry Electives			
CHEM211	Inorganic Chemistry II		6
CHEM212	Organic Chemistry II		6
CHEM314	Instrumental Analysis		8
CHEM213	Molecular Structure, Reactivity and Change		6
CHEM214	Analytical and Environmental Chemistry		6
CHEM321	Organic Synthesis and Reactivity		8
Science and Technology Studies Electives			
STS100	Social Aspects of Science and Technology		6
STS215	Globalisation: Science, Technology and Progress		6
STS112	The Scientific Revolution: History, Philosophy and Politics of Science 1		6
STS376	Risk Assessment, Health and Safety		6
STS216	Environment in Crisis: Technology and Society		6
STS229	Scientific and Technological Controversy		6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Science (Photonics)

Testamur Title of Degree:	Bachelor of Science (Photonics)
Abbreviation:	BSc (Photonics)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757577
CRICOS Code:	031274F

Overview / Course Aims

Photonics is a rapidly developing area associated with the development of detectors, light sources and optical fibres to support research and development in a wide range of industries including optoelectronics, telecommunications and defence. This degree provides students with training, which combines skills in experimental and theoretical physics and electronics with a strong background in optics, electronics and computing necessary to begin a career in the photonics industry. It is structured around the existing core of Physics subjects.

Course Requirements

All students must complete the required number of credit points, and satisfy all course requirements for the degree. Refer to course structures below.

The Bachelor of Science (Photonics) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Further Studies Options

Graduates can apply for entry to Honours in Physics, then Master of Science – Research, or PhD.

Career Opportunities

Opportunities exist in teaching, administration, scientific communication, computing and research.

Photonics Course Program

Subject	Session	Credit Points
Year 1		
CHEM103 Introductory Chemistry For Engineers*	Autumn	6
CSCI114 Procedural Programming*	Autumn	6
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals Physics A	Autumn	6
ECTE172 Introduction to Circuits and Devices	Spring	6
ECTE182 Internet Technology 1*	Spring	6

MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
* Three electives are required, these are examples			
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH253	Linear Algebra	Autumn	4
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS262	Vibrations and Waves	Spring	3
PHYS263	Photonics and Communication	Annual	6
Year 3			
ECTE364	Telecommunications Networks 1	Autumn	6
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS356	Physics of Detectors and Imaging	Autumn	6
PHYS363	Advanced Photonics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS396	Electronic Materials	Spring	6
Plus 1 Elective			6

Bachelor of Science (Honours) Advanced Program – Physics

Testamur Title of Degree:	Bachelor of Science (Honours) Advanced Program – Physics
Abbreviation:	BSc (Hons) (Physics)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	95
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757A
UAC Code:	757602
CRICOS Code:	052463E

Overview

The Advanced Program, designed specifically for high achieving students, offers direct entry into Honours, unlike the normal BSc which delays selection for Honours until the completion of the third year.

It offers; a greater degree of flexibility in program design through the possibility of exemptions from some first year subjects; direct entry into some 200- level subjects; the opportunity to undertake individual research subjects at second, third and fourth year level; the opportunity to progress at a faster rate through the use of “fast-tracking” mechanisms; and the chance to participate in various enrichment activities and to develop a close association with an appropriate member of one of the Faculty’s research teams. In the final year, all students undertake a substantial piece of supervised research in their major discipline together with other required seminar and/or coursework.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Study programs are structured on an individual basis in consultation with the Discipline Advisor. Students are required to fulfil all the normal BSc and Honours requirements, and may select their major study program from any of those available from Physics. Students will normally undertake the full major listed below. Substitutions are allowed with the permission of the Physics Discipline Advisor, provided that the program meets the accreditation requirements of the Australian Institute of Physics.

Bachelor of Science (Physics)

Testamur Title of Degree:	Bachelor of Science (Physics)
Abbreviation:	BSc (Physics)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	75
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757637
CRICOS Code:	031274F

Overview / Course Aims

Physics – as one of the fundamental sciences – provides the basis for making, interpreting, and extending observations relating to the behaviour and structure of matter. Physics is fundamental to the study of all sciences, and has a key role to play in generating and supporting new technologies. Students majoring in Physics study mechanics, thermodynamics, electricity and magnetism, vibrations, waves, optics, and modern, quantum and statistical mechanics, complemented by a number of advanced mathematics subjects.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree. Refer to course structures below. The Bachelor of Science (Physics) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress. Variations to the programs listed below are allowed at the discretion of the physics Academic Advisor, provided that the following minimum criteria are followed: 12 cp of 100- level maths, 12 cp of 200- level maths, 12 cp of 100- level physics, 24 cp of 200- level physics, 24 cp of 300- level physics, and also provided that the program meets the accreditation requirements of the Australian Institute of Physics.

The formal contact hours, methods of teaching and learning and forms of assessment, vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Study Options

Two major programs in Physics are offered:

Basic Major Program in Physics – a basic Physics program, designed with a minimum of compulsory subjects for combining with an array of elective subjects or a second major in another discipline.

Full Major Program – a full Physics program for students planning to undertake Honours and to pursue a career as a professional physicist.

The two programs are outlined below.

Honours

Students with a good academic record are encouraged to proceed to Honours year, a fourth year of study providing training in independent research.

Professional Recognition

The Bachelor of Science (Physics) degree conforms to the requirements for membership of the Australian Institute of Physics.

Further Studies Options

Graduates can apply for entry to Honours in Physics, and then Master of Science – Research, or PhD.

Career Opportunities

Opportunities exist in teaching, administration, scientific communication, computing and research.

Basic Major Program in Physics

Subject	Session	Credit Points
Year 1		
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals Physics A	Autumn	6
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
PHYS142 Fundamentals Physics B	Spring	6
Plus 4 electives (6cp each)		24
Year 2		
MATH201 Multivariate and Vector Calculus	Autumn	6
MATH253 Linear Algebra	Autumn	4
PHYS205 Advanced Modern Physics	Autumn	6
PHYS235 Mechanics and Thermodynamics	Autumn	6
MATH291 Differential Equations	Spring	3
PHYS215 Vibrations, Waves and Optics	Spring	6
PHYS225 Electromagnetism and Optoelectronics	Spring	6
Plus 2 electives (6cp each)		12
Year 3		
PHYS305 Quantum Mechanics	Autumn	6
PHYS325 Electromagnetism	Autumn	6
Plus two of the following subjects:		
PHYS335 Classical Mechanics	Autumn	6
PHYS375 Nuclear Physics	Spring	6
PHYS385 Statistical Mechanics	Spring	6
PHYS390 Astrophysics	Spring	6
PHYS396 Electronic Materials	Spring	6
Plus additional 24 cp of subjects taken from the Science or Engineering Schedules.		

Full Major Program in Physics

Subject	Session	Credit Points
Year 1		
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals Physics A	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MATH142	Mathematics 1C Part 2	Spring	6
	or			
	MATH188	Mathematics 1A Part 2	Spring	6
	PHYS142	Fundamentals Physics B	Spring	6
	PHYS295	Astronomy – Concepts of the Universe	Spring	6
Commerce	Plus 3 electives			18
	Year 2			
	MATH201	Multivariate and Vector Calculus	Autumn	6
	MATH203	Linear Algebra	Autumn	6
	PHYS205	Advanced Modern Physics	Autumn	6
Creative Arts	PHYS235	Mechanics and Thermodynamics	Autumn	6
	MATH202	Differential Equations 2	Spring	6
	MATH204	Complex Variables and Group Theory	Spring	6
	PHYS215	Vibrations, Waves and Optics	Spring	6
	PHYS225	Electromagnetism and Optoelectronics	Spring	6
Education	Year 3			
	PHYS305	Quantum Mechanics	Autumn	6
	PHYS325	Electromagnetism	Autumn	6
	PHYS335	Classical Mechanics	Autumn	6
	PHYS375	Nuclear Physics	Spring	6
Engineering	PHYS385	Statistical Mechanics	Spring	6
	PHYS390	Astrophysics	Spring	6
	PHYS396	Electronic Materials	Spring	6
	Plus 1 elective			6
	Physics Electives			
Health & Behavioural Sciences	Subject		Session	Credit Points
	Year 1			
	PHYS141	Fundamentals of Physics A	Autumn	6
	PHYS142	Fundamentals of Physics B	Spring	6
	PHYS143	Physics for Engineers	Spring	6
Informatics	PHYS155	Introduction to Biomedical Physics	Autumn	6
	Year 2			
	PHYS205	Modern Physics	Autumn	6
	PHYS235	Mechanics and Thermodynamics	Autumn	6
	PHYS206	Project in Physics	Autumn/Spring	6
Law	PHYS215	Vibrations, Waves and Optics	Spring	6
	PHYS225	Electromagnetism and Optoelectronics	Spring	6
	PHYS255	Radiation Physics	Spring	6
	PHYS295	Astronomy – Concepts of the Universe	Spring	6
	Year 3			
Science	PHYS305	Quantum Mechanics	Autumn	6
	PHYS325	Electromagnetism	Autumn	6
	PHYS335	Classical Mechanics	Autumn	6
	PHYS365	Detection of Radiation: Neutrons, Electrons and X Rays	Autumn	6
	PHYS306	Project in Physics	Autumn/Spring	6
	PHYS375	Nuclear Physics	Spring	6
	PHYS385	Statistical Mechanics	Spring	6
	PHYS390	Astrophysics	Spring	6

PHYS396	Electronic Materials	Spring	6
Year 4			
PHYS405	Honours in Physics	Annual	48
PHYS444	Quantum Mechanics	Annual	8
PHYS446	Solid State Physics	Annual	8
PHYS451	Nuclear Medicine	Annual	8
PHYS452	Medical Imaging	Annual	8
PHYS456	Imaging Physics	Annual	8
PHYS401	Theoretical Mechanics and Electromagnetism	Autumn	8
PHYS457	Research Project	Autumn/Spring	24
PHYS441	Advanced Astrophysics	Spring	4
PHYS453	Radiobiology and Radiation Protection	Spring	8

Physics Electives

Subjects offered by non-member Departments of the Faculty of Engineering toward the Physics Program:

Subject	Credit Points
CSCI103 Algorithms and Problem Solving	6
CSCI114 Procedural Programming	6
CSCI124 Applied Programming	6
MATH187 Mathematics 1A Part 1	6
MATH188 Mathematics 1A Part 2	6
MATH141 Mathematics 1C Part 1	6
MATH142 Mathematics 1C Part 2	6
MATH201 Multivariate and Vector Calculus	6
MATH202 Differential Equations 2	6
MATH203 Linear Algebra	6
MATH204 Complex Variables and Group Theory	6
MATH253 Linear Algebra	4
MATH283 Mathematics IIE for Engineers Part 1	6
MATH291 Differential Equations	3
MATH293 Complex Variables	4
STAT231 Probability and Random Variables	6

Bachelor of Science (Physics and Mathematics)

Testamur Title of Degree:	Bachelor of Science (Physics and Mathematics)
Abbreviation:	BSc (Physics and Mathematics)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Physics
UOW Course Code:	757
UAC Code:	757577
CRICOS Code:	031274F

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Overview / Course Aims

This double major provides students with a deeper understanding of the complementary areas of physics and mathematics. Students will be eligible for employment in areas requiring qualifications in physics and mathematics and will particularly equip them for work in areas where they will undertake mathematical modelling of physical systems.

Course Requirements

All students must complete the required number of credit points, and satisfy all course requirements for the degree. Refer to course structures below.

The Bachelor of Science (Physics and Mathematics) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Further Studies Options

Graduates can apply for entry to Honours in Physics, then Master of Science – Research, or PhD.

Career Opportunities

Opportunities exist in teaching, administration, scientific communication, computing and research.

Physics and Mathematics Course Program

Subject	Session	Credit Points
Year 1		
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals of Physics A	Autumn	6
PHYS295 Astronomy concepts of the University	Spring	6
MATH188 Mathematics 1A Part 2	Spring	6
PHYS142 Fundamentals of Physics B	Spring	6
Three 1st year electives (STAT131 Understanding Variation and Uncertainty is highly recommended)		
Year 2		
MATH201 Multivariate and Vector Calculus	Autumn	6
MATH203 Linear Algebra	Autumn	4
PHYS205 Advanced Modern Physics	Autumn	6
PHYS235 Mechanics and Thermodynamics	Autumn	6
MATH202 Differential Equations 2	Spring	6
MATH204 Complex Variables and Group Theory	Spring	6
PHYS215 Vibrations, Waves and Optics	Spring	6
PHYS225 Electromagnetism and Optoelectronics	Spring	3
Year 3		
PHYS305 Quantum Mechanics	Autumn	6
PHYS325 Electromagnetism	Autumn	6
MATH302 Differential Equations 3	Autumn	6
MATH305 Partial Differential Equations	Spring	6
MATH321 Numerical Analysis	Spring	6
Choose two from		
PHYS375 Nuclear Physics	Spring	6
PHYS385 Statistical Mechanics	Spring	6

PHYS390	Astrophysics	Spring	6
PHYS396	Electronic Materials	Spring	6
Plus one 3rd year Mathematics elective			6

Bachelor of Engineering – Bachelor of Arts

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Arts
Abbreviation:	BE-BA
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	83
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	704
UAC Code:	751302
CRICOS Code:	028394B

Overview / Course Aims

The Faculties of Arts and Engineering offer double degree courses over five years of full-time, or eight years of part-time study, leading to the degrees of Bachelor of Arts and Bachelor of Engineering. These courses provide education in a discipline of Engineering, together with a major study in Arts to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirements for admission to the double degree is a UAI or equivalent which is equal to or greater than the rank required for admission to the Bachelor of Arts, or Bachelor of Engineering, whichever is the higher. The English pre-requisite must be satisfied for the Bachelor of Arts degree.

Course Requirements – Bachelor of Arts

Students enrolled in the Bachelor of Arts must satisfactorily complete:

- subjects to the value of at least 90 credit points selected from the General Schedule or the Arts Schedule, together with
- subjects to the value of at least 54 credit points prescribed by one of the Engineering programs.

Of the above specified 144 credit points required for the Arts degree:

- at least 72 credit points, including a major study, shall be from subjects listed in the Arts Schedule;
- at least 36 credit points shall be for subjects offered by one or more academic units of the Faculty of Arts; and
- no more than 60 credit points shall be for 100-level subjects.

Students intending to enrol in Japanese must contact the Modern Languages Program Office. Students undertaking the beginner strand in Japanese language are required to take 36 credit points in Japanese in the first year of full-time study. Enrolment in Japanese is not recommended for part-time students.

Bachelor of Arts students, who satisfy entry requirements, may subsequently enrol in the Honours degree of Bachelor of Arts as set out in the Award Rule 125.

Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering – Core Subjects

plus the subjects leading to one of these Engineering degrees:

Bachelor of Engineering – Civil Engineering

Bachelor of Engineering – Environmental Engineering

Bachelor of Engineering – Materials Engineering

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Engineering – Mechanical Engineering
 Bachelor of Engineering – Mechatronics
 Bachelor of Engineering – Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering – Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Commerce
Abbreviation:	BE-BCom
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	83
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	727
UAC Code:	751601
CRICOS Code:	001707A

Overview / Course Aims

The Faculties of Commerce and Engineering offer double degree courses over five years of full-time, or eight years of part-time study, leading to the degrees of Bachelor of Commerce and Bachelor of Engineering. These courses provide education in the discipline of Engineering together with a major study in Commerce, to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirements for admission to the double degree is a UAI or equivalent, which is equal to or greater than the rank required for admission to the Bachelor of Commerce or Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Commerce

Candidates are required to complete core subjects, and subjects which satisfy the requirements of one of the Commerce majors. Candidates can choose between a number of major and minor combinations. All students must seek advice and approval from the Sub Dean and relevant Head of School before enrolment. Students should be aware that it may not be possible to complete all Commerce programs with the usual 264 credit points required for a double degree.

The following subjects should be substituted with another Commerce major subject on completion of the alternative Engineering subject:

1. BUSS110 Introduction to Business Information Systems

Alternative subjects:

CIVL296	Engineering Computing 1	6
MECH252	Engineering Experimentation and Thermodynamics	6
MATE291	Engineering Computing and Laboratory Skills	6
or		
CSCI191	Programming for Engineers	6
2. COMM121	Quantitative Methods 1	
Alternative subject:		
MATH283	Mathematics 2E for Engineers Part 1	6

Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering – Core Subjects

plus the subjects leading to one of these Engineering degrees:

Bachelor of Engineering – Civil Engineering

Bachelor of Engineering – Environmental Engineering

Bachelor of Engineering – Materials Engineering

Bachelor of Engineering – Mechanical Engineering

Bachelor of Engineering – Mechatronics

Bachelor of Engineering – Mining Engineering

ENGG361 and ENGG461 should be replaced by Engineering electives, i.e. those with an Engineering degree prefix.

Students are not permitted to use Commerce subjects to substitute for Engineering electives.

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the Sub Dean.

Bachelor of Engineering – Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Computer Science
Abbreviation:	BE-BCompSci
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	90
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	790
UAC Code:	751609
CRICOS Code:	042540B

Overview / Course Aims

The Faculties of Informatics and Engineering offer double degree courses over five years of full-time, or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Computer Science.

These courses provide education in the discipline of Engineering together with a major study in Computer Science to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirements for admission to the double degree is a UAI or equivalent, which is equal to or greater than the rank required for admission to the Bachelor of Computer Science, or Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Computer Science

Students enrolled in the Bachelor of Computer Science must satisfactorily complete requirements 1, 2, 4 and 5 of the Bachelor of Computer Science course requirements.

Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Bachelor of Engineering – Core Subjects</p> <p>plus the subjects leading to one of these Engineering degrees:</p> <p>Bachelor of Engineering – Civil Engineering</p> <p>Bachelor of Engineering – Environmental Engineering</p> <p>Bachelor of Engineering – Materials Engineering</p> <p>Bachelor of Engineering – Mechanical Engineering</p>																												
Commerce	<p>Bachelor of Engineering – Mechatronics</p> <p>Bachelor of Engineering – Mining Engineering</p> <p>A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.</p>																												
Creative Arts	<p>All students must discuss their Engineering program with the relevant Sub Dean.</p>																												
Education	<h2>Bachelor of Engineering – Bachelor of Mathematics</h2> <table> <tr> <td>Testamur Title of Degree:</td><td>Bachelor of Engineering – Bachelor of Mathematics</td></tr> <tr> <td>Abbreviation:</td><td>BE-BMath</td></tr> <tr> <td>Home Faculty:</td><td>Faculty of Engineering</td></tr> <tr> <td>Duration:</td><td>5 years full-time or part-time equivalent</td></tr> <tr> <td>Total Credit Points:</td><td>264</td></tr> <tr> <td>Delivery Mode:</td><td>Face-to-face</td></tr> <tr> <td>Starting Session(s):</td><td>Autumn/Spring</td></tr> <tr> <td>Location:</td><td>Wollongong</td></tr> <tr> <td>Approx. UAI Entry:</td><td>90</td></tr> <tr> <td>Assumed Knowledge:</td><td>Any two units of English plus Mathematics</td></tr> <tr> <td>Recommended Studies:</td><td>Physics, Chemistry and HSC Mathematics Ext. 1</td></tr> <tr> <td>UOW Course Code:</td><td>791</td></tr> <tr> <td>UAC Code:</td><td>751610</td></tr> <tr> <td>RICOS Code:</td><td>042626G</td></tr> </table>	Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Mathematics	Abbreviation:	BE-BMath	Home Faculty:	Faculty of Engineering	Duration:	5 years full-time or part-time equivalent	Total Credit Points:	264	Delivery Mode:	Face-to-face	Starting Session(s):	Autumn/Spring	Location:	Wollongong	Approx. UAI Entry:	90	Assumed Knowledge:	Any two units of English plus Mathematics	Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1	UOW Course Code:	791	UAC Code:	751610	RICOS Code:	042626G
Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Mathematics																												
Abbreviation:	BE-BMath																												
Home Faculty:	Faculty of Engineering																												
Duration:	5 years full-time or part-time equivalent																												
Total Credit Points:	264																												
Delivery Mode:	Face-to-face																												
Starting Session(s):	Autumn/Spring																												
Location:	Wollongong																												
Approx. UAI Entry:	90																												
Assumed Knowledge:	Any two units of English plus Mathematics																												
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1																												
UOW Course Code:	791																												
UAC Code:	751610																												
RICOS Code:	042626G																												
Engineering																													
Health & Behavioural Sciences	<h3>Overview / Course Aims</h3> <p>The Faculties of Informatics and Engineering offer double degree courses over five years of full-time, or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Mathematics.</p> <p>These courses provide education in the discipline of Engineering, together with a major study in Mathematics to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.</p> <p>Requirements for admission to the double degree is a UAI or equivalent, which is equal to or greater than the rank required for admission to the Bachelor of Mathematics, or Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.</p>																												
Informatics																													
Law	<h3>Course Requirements – Bachelor of Mathematics</h3> <p>Students enrolled in the Bachelor of Mathematics must satisfactorily complete requirements 1 to 9; excluding 5, of the Bachelor of Mathematics course requirements, including no more than 60 credit points at 100- level.</p>																												
Science	<h3>Course Requirements – Bachelor of Engineering</h3> <p>Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:</p> <p>Bachelor of Engineering – Core Subjects</p> <p>plus the subjects leading to one of these Engineering degrees:</p> <p>Bachelor of Engineering – Civil Engineering</p> <p>Bachelor of Engineering – Environmental Engineering</p> <p>Bachelor of Engineering – Materials Engineering</p>																												

Bachelor of Engineering – Mechanical Engineering

Bachelor of Engineering – Mechatronics

Bachelor of Engineering – Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering – Bachelor of Science

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Science
Abbreviation:	BE-BSc
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	750
UAC Code:	751624
CRICOS Code:	031277C

Overview / Course Aims

The Faculties of Science and Engineering offer double degree courses over five years of full-time, or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Science.

These courses provide education in the discipline of Engineering, together with a major study in Science to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirements for admission to the double degree is a UAI or equivalent, which is equal to or greater than the rank required for admission to the Bachelor of Science, or Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Science

Students enrolled in the Bachelor of Science must satisfactorily complete:

subjects having a value of at least 90 credit points selected from the Science Schedule, which include either a major study prescribed by the Faculty of Science, or a major prescribed by Engineering Physics within the Faculty of Engineering; together with subjects having a value of at least 54 credit points prescribed by one of the Engineering programs.

Of the above specified 144 credit points required for the Science degree:

- at least 72 credit points, including a major study, shall be from subjects offered by Academic Units within the Faculty of Science or by Engineering Physics in the Faculty of Engineering; and
- no more than 60 credit points shall be for 100-level subjects.

Students enrolled in the Bachelor of Science who satisfies entry requirements, may subsequently enrol in the Honours degree of Bachelor of Science, as set out in the Award Rule 125.

Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering – Core Subjects

plus the subjects leading to one of these Engineering degrees:

Bachelor of Engineering – Civil Engineering

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Engineering - Environmental Engineering
 Bachelor of Engineering - Materials Engineering
 Bachelor of Engineering - Mechanical Engineering
 Bachelor of Engineering - Mechatronics
 Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science)

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Science
Abbreviation:	BE-BSc
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	83
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	750A
UAC Code:	751625
CRICOS Code:	048493M

Overview / Course Aims

The Faculties of Engineering and Health and Behavioural Sciences offer double degree courses over five years of full-time, or eight years of part-time study, leading to the Bachelor of Engineering and Bachelor of Science. These courses provide education in either Mechanical Engineering or Mechatronics, together with a major study in Exercise Science to broaden the knowledge base of the graduate, thereby enhancing career prospects.

Requirements for admission to the double degree is a UAI or equivalent, which is equal to or greater than the rank required for admission to the Bachelor of Science (Exercise Science), or the Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements

Students enrolled in the double degree must complete the following subjects:

Course Program:

Bachelor of Engineering (Mechanical) - Bachelor of Science (Exercise Science)

Subject	Session	Credit Points
Year 1		
CHEM103 Chemistry for Engineers	Autumn	6
ENGG101 Foundations of Engineering	Autumn	6
ENGG153 Engineering Materials	Autumn	6
MATH187 Mathematics 1A Part 1	Autumn	6
ENGG152 Engineering Mechanics	Spring	6
ENGG154 Engineering Design and Innovation	Spring	6
MATH188 Mathematics 1A Part 2	Spring	6

PHYS143	Physics for Engineers	Spring	6
Year 2			
BMS101	Systemic Anatomy	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
MECH252	Engineering Experimentation and Thermodynamics	Autumn	6
BMS112	Human Physiology 1	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
MECH201	Engineering Analysis	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
MECH226	Machine Dynamics	Spring	6
Year 3			
BMS211	Foundations of Biomechanics	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MECH311	Mechanical Engineering Design	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
ENGG361	Project and Business Management	Spring	6
MECH341	Thermodynamics	Spring	6
MECH343	Heat Transfer and Aerodynamics	Spring	6
Year 4			
BMS202	Human Physiology II	Autumn	6
MECH321	Dynamics of Engineering Systems	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS242	Exercise Physiology	Spring	6
BMS341	Clinical Biomechanics	Spring	6
MECH365	Control of Machines and Processes	Spring	6
Plus	2 electives (one Mechanical plus one other)		12
Year 5			
BExS352	Exercise Prescription II	Autumn	8
BExS401	Ergonomics	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
BExS351	Exercise Prescription I	Spring	8
BMS346	Motor Control and Dysfunction	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0
Plus	2 electives ((one Mechanical plus one other)		12

Course Program:

Bachelor of Engineering (Mechatronics) - Bachelor of Science (Exercise Science)

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CSCI1191	Programming for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MATH187	Mathematics 1A Part 1	Autumn	6
	ECTE172	Introduction to Circuits and Devices	Spring	6
	ENGG152	Engineering Mechanics	Spring	6
	MATH188	Mathematics 1A Part 2	Spring	6
	PHYS143	Physics for Engineers	Spring	6
Commerce	Year 2			
	BMS101	Systemic Anatomy	Autumn	6
	ECTE202	Circuits and Systems	Autumn	6
	ECTE233	Digital Hardware 1	Autumn	6
	ENGG251	Mechanics of Solids	Autumn	6
Creative Arts	MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
	BMS112	Human Physiology 1	Spring	6
	ECTE212	Electronics and Communications	Spring	6
	ENGG154	Engineering Design and Innovation	Spring	6
	MECH215	Fundamentals of Machine Component Design	Spring	6
Education	Year 3			
	BMS202	Human Physiology II	Autumn	6
	BMS211	Foundations of Biomechanics	Autumn	6
	PSYC101	Introduction to Behavioural Science	Autumn	6
	BIOL103	Molecules, Cells and Organisms	Spring	6
Engineering	BMS203	Musculoskeletal Functional Anatomy	Spring	6
	BMS242	Exercise Physiology	Spring	6
	MECH311	Mechanical Engineering Design	Spring	6
	MECH226	Machine Dynamics	Spring	6
	Year 4			
Health & Behavioural Sciences	ECTE313	Electronics 3	Autumn	6
	ECTE344	Control Theory	Autumn	6
	ECTE371	Mechatronics Design	Autumn	6
	MECH382	Manufacturing Engineering Principles	Autumn	6
	PSYC216	Psychology of Physical Activity	Autumn	6
Informatics	BMS341	Clinical Biomechanics	Spring	6
	BMS346	Motor Control and Dysfunction	Spring	6
	ECTE301	Digital Signal Processing 1	Spring	6
	ECTE333	Digital Hardware 2	Spring	6
	Year 5			
Law	BExS352	Exercise Prescription II	Autumn	6
	BExS401	Ergonomics	Autumn	6
	ECTE323	Power Engineering 2	Autumn	6
	ENGG461	Project Management and Human Factors in Engineering	Autumn	6
	MECH440	Fluid and Heat Transfer	Autumn	6
Science	BExS351	Exercise Prescription I	Spring	6
	ECTE494	Robotics	Spring	6
	ENGG452	Thesis A	Annual	12
	or			
	ENGG453*	Thesis B	Annual	18
	ENGG454	Professional Experience		0
	*18cp thesis is equivalent to the 12cp thesis and one 6cp elective			

Bachelor of Science (Physics) – Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Science (Physics) – Bachelor of Mathematics
Abbreviation:	BSc (Physics)-BMath
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	90
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	792
UAC Code:	751805
CRICOS Code:	048495J

Overview / Course Aims

This double degree provides students with a deeper understanding of the complementary areas of mathematics and physics. As well as making them eligible for employment in areas requiring qualifications in both mathematics and physics, this will particularly equip students for work in areas where they will undertake mathematical modelling of physical systems.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the Bachelor of Science (Physics) degree and the Bachelor of Mathematics. Refer to course structures below.

All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

Students with a good academic record are encouraged to proceed to an Honours year. An additional year of study providing training in independent research in either discipline would be required.

Further Studies Options

Graduates can apply for entry to Honours in Physics, then Master of Science – Research, or PhD.

Career Opportunities

Opportunities exist in teaching, administration, scientific communication, computing, and research.

Course Program

Subject	Session	Credit Points
Year 1		
MATH121 Discrete Mathematics	Autumn	6
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals of Physics A	Autumn	6
MATH111 Applied Mathematical Modelling 1	Spring	6
MATH188 Mathematics 1A Part 2	Spring	6
PHYS142 Fundamentals of Physics B	Spring	6
PHYS295 Concepts of the Modern Universe	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Plus	2 electives		12
	Year 2			
	MATH201	Multivariate and Vector Calculus	Autumn	6
	MATH203	Linear Algebra	Autumn	6
	PHYS205	Advanced Modern Physics	Autumn	6
Commerce	STAT131	Understanding Variation and Uncertainty	Autumn	6
	MATH202	Differential Equations 2	Spring	6
	MATH204	Complex Variables and Group Theory	Spring	6
	MATH212	Applied Mathematical Modelling 2	Spring	6
	PHYS215	Vibrations, Waves and Optics	Spring	6
Creative Arts	PHYS225	Electromagnetism and Optoelectronics	Spring	6
	Year 3			
	CSCI114	Procedural Programming	Autumn/Spring	6
	MATH222	Continuous and Finite Mathematics	Autumn	6
	PHYS235	Mechanics and Thermodynamics	Autumn	6
Education	PHYS305	Quantum Mechanics	Autumn	6
	STAT231	Probability and Random Variables	Autumn	6
	MATH302	Differential Equations 3	Autumn	6
	MATH305	Partial Differential Equations	Spring	6
	MATH313	Industrial Mathematical Modelling	Spring	6
Engineering	or			
	STAT232	Estimation and Hypothesis Testing	Spring	6
	PHYS375	Nuclear Physics	Spring	6
	Year 4			
	MATH312	Applied Mathematical Modelling 3	Autumn	6
Health & Behavioural Sciences	or			
	STAT333	Statistical Inference and Multivariate Analysis	Spring	6
	Either			
	MATH323	Topology and Chaos	Spring	6
	or			
Informatics	STAT335	Sample Surveys and Experimental Design	Autumn	6
	Either			
	PHYS325	Electromagnetism	Autumn	6
	PHYS335	Classical Mechanics	Autumn	6
	PHYS396	Electronic Materials	Autumn	6
Law	or			
	2 x	300 level Mathematics subjects	Spring	12
	or			
	STAT304	Applied Probability and Financial Risk	Autumn	6
	and			
Science	STAT332	Multiple Regression and Time Series	Spring	6
	PHYS385	Statistical Mechanics	Spring	6
	PHYS390	Astrophysics	Spring	6

SUBJECT DESCRIPTIONS

BIOL352 Biology For Environmental Engineers

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with BIOL104

Subject Description: Types of organisms, their classification and life styles. Ecology of populations and communities. Evolutionary biology and the origin of species. This subject includes a set of tutorials specifically designed for Environmental Engineers.

CHEM103 Introductory Chemistry For Engineers

Autumn Wollongong On Campus
Summer 2007/2008 Wollongong Flexible

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count for credit with CHEM101.

Subject Description: Fundamentals: nomenclature and stoichiometry. Atomic theory, bonding and structure. Properties of matter. Reactions: thermochemistry, thermo dynamics, chemical equilibria, acid base equilibria and kinetics. Introductory organic chemistry. Environmental chemistry: pollution and pollution control. Electrochemistry: redox, galvanic cells, electrolysis and corrosion. Chemical basis of engineering materials such as metals, semiconductors, polymers, fuels, adhesives.

CHEM214 Analytical and Environmental Chemistry

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: (CHEM101 and CHEM102) or CHEM103 and Faculty of Science minimum mathematics requirement.

Co-requisites: None

Subject Description: This subject is an introduction to analytical chemistry and its application to environmental and biological systems. It provides an excellent introduction to the separation and quantification of various compounds through the application of a range of current analytical techniques. It will provide an understanding of sample compositions, sample preparation and analysis, and data interpretation using statistics. The material will be presented in lectures, workshops, and laboratory exercises.

CIVL245 Construction Materials

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: ENGG251 Mechanics of Solids

Subject Description: The subject is designed to introduce the properties and use of the more common materials in modern construction practice. Topics will include: Concrete - Properties of concrete; structure and composition; cements; mix design; durability; high performance concrete; concrete manufacture Steel - Properties of steel

with particular reference to brittle fracture, fatigue, corrosion and fire damage Alternative materials - timber; masonry; polymers; aluminium; composites.

CIVL272 Surveying

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Basic concepts - Australian map grid, Integrated survey grid, Australian height datum, control surveys, locating position, errors in measurement, units in surveying and significant figures. Measuring distances, reduced levels and angles. Determining position - traversing, global positioning systems and plane rectangular coordinates. Earthworks and volumes. Setting out - basic procedures, setting out curves, trenches, sewers, buildings and slope stakes for road grade. Introduction to underground surveying. Computer assisted data reduction. In addition to theoretical instruction, fieldwork assignments will be undertaken in electromagnetic distance measurement, traversing, levelling, curve ranging, staking a slope, and, for mining students, practical surveying in an underground environment.

CIVL296 Engineering Computing I

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The subject introduces students to computer techniques to help in solving engineering problems. EXCEL spreadsheet fundamentals: paste functions, graphics, data analysis using regression and correlation, importing and exporting data, pivot tables, data filter, adding control buttons to worksheets, numerical and matrix applications, solver and goal seek tools. Advanced features of EXCEL: Macros and VBA programming language. Applications of EXCEL, VBA and MATLAB to engineering problems

CIVL311 Structural Design 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Introduction to structural design, dead and live loads. Review of limit states design. Design of reinforced concrete structural elements according to AS 3600. Strength and serviceability of reinforced concrete beams and one way slabs. Design of reinforced concrete columns for strength and stability. Design of steel beams and girders to AS 4100. Design of tension and compression members for trusses. Introduction to local and lateral buckling. Design of bolted and welded steel connections.

CIVL314 Structural Design 2

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CIVL311 Structural Design 1

Co-requisites: None

Subject Description: This course will consider an introduction to wind and seismic loads, reinforced concrete structures including the serviceability and strength design of reinforced concrete two way slab

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	and flat plates for multistorey buildings together with reinforced concrete footings and retaining structures. An introduction to the design of prestressed concrete beams for serviceability and strength for both buildings and bridges. Case studies of multistorey building frames.
Commerce	CIVL322 Hydraulics and Hydrology Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: ENGG252 – Engineering Fluid Mechanics Subject Description: Open Channel Hydraulics – uniform flow; gradually varied flow; changes in channel cross section; hydraulic structures; unsteady flow.br Flood Hydrology – data collection and analysis; flood frequency; rainfall intensity-frequency-duration relationships; unit hydrograph; design flood estimation; flood routing in rivers and storage reservoirs.br Pipeline and pumping systems – pipe networks; water distribution systems; pump characteristics; pressure surges.
Creative Arts	CIVL352 Structures 1 Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: ENGG251 – Mechanics of Solids Co-requisites: None Subject Description: Statically determinate and indeterminate trusses and frames. Flexibility and stiffness methods. Moment distribution. Unsymmetrical bending; shear centre. Elastic stability. Influence lines.
Education	CIVL361 Geomechanics 1 Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: ENGG251 Mechanics of Solids Subject Description: Soils and rocks – differences and similarities; cohesionless and cohesive soils; behaviour of intact and jointed rock masses; weight-volume relationships; particle size distribution; index properties of soils; soil classification; soil compaction and compressibility; mechanical properties of rock. Some topics will be presented in a laboratory environment. Pore water pressures and effective stress concept; permeability of soil and hydraulic properties of rock masses; groundwater flow; seepage theory; flow nets. Shear strength of soils and rock masses, total and effective stress parameters, Mohr-Coulomb criterion; Hoek and Brown failure; sliding on planes of weakness. Application of elastic theory for calculating stresses and displacements within soil or rock masses. Stability analysis of soil and rock slopes; stabilisation methods.
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	CIVL392 Engineering Computing 2 Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: CIVL196 and MATH283 Co-requisites: None Subject Description: Numerical computation. Taylor series, roots of equations, numerical differentiation, difference tables, linear systems, numerical integration, differential equations. Use of applications software. Numeric Computation and Visualisation – MATLAB interactive, graphically based system for solving mathematical and engineering problems
Science	

CIVL394 Construction

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: CIVL361 Geomechanics 1

Subject Description: The subject is designed to provide students with detailed knowledge of construction with regard to both surface and underground structures, including construction techniques, stability and maintenance aspects. The following subject material will be covered: Plant and equipment in Civil Engineering practice; Construction processes and quality control; Tunnelling in soft ground and rock; Cofferdams and caissons; Harbour works; Dewatering and grouting methods; Performance monitoring and observational design; underpinning and restoration techniques; formwork and scaffolding. The lectures and tutorials will be complemented with practical project work and a field trip.

CIVL415 Structural Design 3

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CIVL311 Structural Design 1 and CIVL314 Structural Design 2

Co-requisites: None

Subject Description: This subject includes the design of some large steel, concrete, timber and mixed structures. Gravity and lateral load resisting systems for steel, concrete, timber and mixed construction frames for wind and earthquake loads. Advanced design considerations in steel and concrete structures. Implications of fire and corrosion for steel structures, and creep and shrinkage effects in concrete structures. Advanced reinforced concrete design including shear walls, deep beams and pile caps. Integrated topics may include the design of transmission towers, large industrial buildings, multistorey buildings, carparks or other structures which enable integration of the concepts of structural design and construction.

CIVL444 Civil Engineering Design

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CIVL361 Geomechanics 1, CIVL311 Structural Design 1, CIVL322 Hydraulics and Hydrology

Co-requisites: None

Subject Description: Major Civil Engineering design, which will cover an integrated project incorporating geotechnical, hydraulic, structural and transport engineering.

CIVL454 Structures 2

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CIVL352 Structures 1

Co-requisites: None

Subject Description: Ultimate load analysis of beams, plates, slabs and frames in steel and concrete. Composite beams and columns. Vibrations due to earthquake, wind, and water. Dynamics of single degree of freedom systems.

CIVL457 Structures 3

Not on offer in 2007

Credit Points: 6

Pre-requisites: CIVL352 – Structures 1

Co-requisites: None

Subject Description: Elementary structural concepts using matrix algebra. Structural assemblages. Finite element analysis for one, two and three dimensional problems. Computer applications in statics, stability and dynamics.

CIVL462 Geomechanics 2

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CIVL361 - Geomechanics 1

Co-requisites: None

Subject Description: One-dimensional theory of consolidation, primary and secondary consolidation; normally consolidated and over consolidated soils; settlement analysis. Relationship between principal stresses at failure, importance of drainage conditions in soils, fully undrained conditions for saturated soils; drained and undrained shear strength of cohesive solids, behaviour of partially saturated soils. Overburden and lateral stresses, active and passive pressures, Rankine's earth pressure theory, Coulomb's wedge theory, geotechnical aspects of retaining walls, drainage of backfill. Bearing capacity of foundations; shallow footings and rafts, pile foundations, contact stress and subgrade reaction; use of elastic theory for stress and settlement calculation in soils and rocks. Unconfined seepage through earth structure, seepage control in dams, design of filters.

CIVL463 Applied Geotechnical Engineering

Not on offer in 2007

Credit Points: 6

Pre-requisites: CIVL462 - Geomechanics 2

Co-requisites: None

Subject Description: Models of soil behaviour, stress paths in soil mechanics, total and effective stress paths, Stress strain behaviour of different types of soil under drained and undrained conditions; strain-softening; peak, softened and residual shear strength of cohesive soils; pore pressure co-efficients A and B and their use in practical problems. Soil behaviour under earthquake conditions, the phenomenon of liquefaction. Comparison of laboratory and field testing for geotechnical investigation; uncertainties in geomechanics, Analysis of cantilever and anchored sheet piles, analysis of strutted excavations.

CIVL487 Traffic Engineering

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The subject is designed to provide students with detailed knowledge of traffic and transport engineering. The subject will cover traffic engineering systems, traffic flow theory, intersection capacity, traffic control devices, accident studies, traffic survey methods, traffic management, transport network models, and use of traffic simulation programs. All these roads and traffic designs are to comply with the requirements of the current Australian Standards and codes of practice. The subject will include a number of tutorials, computer applications and field work.

CIVL489 Roads Engineering

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ENGG251 Mechanics of Solids and CIVL361 Geomechanics I

Co-requisites: None

Subject Description: The subject is designed to provide students with detailed knowledge of roads engineering: the design of roads both geometrically and structurally, construction and rehabilitation of roads. The subject will cover the following topics: route selection, road location, environmental factors, land information systems, geometric design of rural roads, pavement and subgrade materials, vehicular loading, analysis of road pavements, pavement design, road drainage, recycling pavements, cost analysis, planning and road construction and traffic engineering. All these roads designs are to comply with the requirements of the current Australian Standards and codes of practice. The subject may include a number of tutorials, computer applications and field work.

CIVL491 Engineering Computing 3

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CIVL392 Engineering Computing 2

Co-requisites: None

Subject Description: Use of engineering applications software, including structural and geotechnical mechanics, using finite element programs for stress, stability, and dynamic analysis. Discrete simulation. Depending on the availability of software other applications may be utilised. Problems will be selected from various areas in engineering.

CIVL495 Public Health Engineering

Not on offer in 2007

Credit Points: 6

Pre-requisites: ENGG252 - Fluid Mechanics

Co-requisites: None

Subject Description: The subject is designed to introduce public and environmental engineering concepts to civil engineers. The public health issues relating to natural resources, ecological concepts, water supply and sanitation problems, water and wastewater characteristics, water quality standards and guidelines, engineering management of water quality processes in rivers and lakes, stormwater and mine water pollution and control, design of water supply and treatment processes, design of wastewater collection, treatment, reuse and disposal systems, industrial water treatment and reuse will be discussed. The lecture components will be complemented with tutorials, laboratory classes and field trips.

ECTE290 Fundamentals of Electrical Engineering

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH141 or MATH161 or MATH187

Co-requisites: PHYS142 or PHYS143

Exclusions: ELEC290

Subject Description: ECTE290 is offered as a servicing subject to students undertaking Bachelor of Engineering Degrees within the Faculty of Engineering. The aim of this subject is to provide students in other Engineering disciplines with an introduction to some basic concepts of electrical circuits, electrical measurements, instrumentation, data logging, and heavy current devices.

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	ENGG101 Foundations of Engineering		
	Autumn	Wollongong	On Campus
	Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Students will participate in a series of lectures and workshops, designed to allow experiencing of engineering technology and science. Exercises replicating typical engineering problems will be undertaken. Emphasis will be on the use of engineering technologies to better understand and solve these problems. Topics include: stress/strain and materials mechanics; analysis of loadings on bodies (free-body diagrams and force equilibrium); conservation of energy and momentum; continuity of flow/conservation of mass; fluid properties; theories of failure and materials properties.		
Commerce	ENGG152 Engineering Mechanics		
	Spring	Wollongong	On Campus
	Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Two dimensional statics of particles and rigid bodies. Forces in frames. Kinematics of particles in rectilinear and plane motion. Kinetics of particles: equations of motion; work and energy; impulse and momentum.		
Creative Arts	ENGG153 Engineering Materials		
	Autumn	Wollongong	On Campus
	Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Introduction to engineering materials: definition and description of properties; influence of material properties on engineering design; description of material structures and relationships to properties; production processes for engineering materials; the materials cycle. Case studies illustrating the use of metals, ceramics and polymers in engineering applications. Practical classes on measuring mechanical properties and observing mechanical behaviour.		
Education	ENGG154 Engineering Design and Innovation		
	Spring	Wollongong	On Campus
	Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: (a) Engineering Drawing: Introduction and standards information; geometrical constructions; freehand sketching; the production of a mechanical drawing; orthographic projection; selection and layout of views; sectional views of orthographic projections; auxiliary views of orthographic projections; general arrangements and assembly drawings. (b) Computer-Aided Drafting: Introduction to computer aided drafting; use of entity draw and selected utility commands and services; dimensioning, display controls; coordinate systems; editing and inquiry commands; entity properties (layers) and use of blocks. (c) The phases of design; team building; design and manufacturing processes; design models; design economics; decision processes; creative design; case studies. The three sections of this subject will be presented as an integrated whole. This will be achieved through a number of creative design projects and case studies.		
Engineering	ENGG171 Scholars Research Project 1		
	Annual	Wollongong	On Campus
	Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: The subject introduces students to specific areas of research in the field of Engineering. Topics will be negotiated based on the current activities of various research units linked to the Faculty of Engineering and the interests of the student. Students will join a particular project and undertake certain tasks under the supervision of a designated staff member. Students are required to undertake literature reviews, collect and analyse data and report on their findings to the research team. Hands on experience in an engineering laboratory is a feature.		
Health & Behavioural Sciences	ENGG251 Mechanics of Solids		
	Autumn	Wollongong	On Campus
	Credit Points: 6 Pre-requisites: ENGG152 Engineering Mechanics Co-requisites: None Subject Description: Stress on a section, concept of stress-strain relationship and Hooke's Law. Torsion of shafts and hollow sections. Problems in bending and stress of beams. Analysis of plane stress and plane strain, combined stresses. Introductory yield criteria for metals, and anelastic behaviour of non metals. Deflection of beams and frames. Statically indeterminate beams, and simple column buckling. Thermal stresses and energy methods. Experimental techniques. Prerequisite minimum preparation is Engineering Mechanics, Engineering Mathematics and Engineering Materials.		
Informatics	ENGG252 Engineering Fluid Mechanics		
	Autumn	Wollongong	On Campus
	Credit Points: 6 Pre-requisites: None Co-requisites: MATH142 or MATH188 or MATH162 Subject Description: This subject is designed to introduce elementary fluid mechanics concepts for civil, environmental, mechanical and mining engineers. The topics include fluid properties, hydrostatics, manometry, Bernoulli's, mass, energy and momentum equations and their applications, dimensional analysis, fluid flow in pipes, pipe friction losses and fluid flow measurements. The lecture components will be complemented with tutorials and laboratory classes. This subject intends to provide a working knowledge to solve simple fluid flow problems in the various branches of engineering. Students are assumed to have knowledge of 1st year engineering mathematics.		
Law	ENGG255 Professional Option 2		
	Annual	Wollongong	On Campus
	Autumn	Wollongong	On Campus
	Spring	Wollongong	On Campus
	Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject is for students currently in approved full-time employment and enrolled in a part-time study program. This subject will normally be taken in Stages 3, 4 or 5 of the BE Program. Students must seek approval to enrol in this subject from the Director of Studies. Approval will be		
Science			

Science	Law	Informatics	Health & Behavioural Sciences	Engineering	Education	Creative Arts	Commerce	Arts
---------	-----	-------------	-------------------------------	-------------	-----------	---------------	----------	------

Arts	ENGG452 Thesis A		
	Autumn	Wollongong	On Campus
	Annual	Wollongong	On Campus
	Spring	Wollongong	On Campus
Commerce	Spring2007/Autumn2008	Wollongong	On Campus
	Credit Points: 12		
	Pre-requisites: Completion of 120cps		
	Co-requisites: None		
Creative Arts	Subject Description: All students must complete a 12 credit point thesis (ENGG452) normally over a period of two sessions – though Scholars Program students may elect to take ENGG453. Students are expected to spend at least 336 hours on the 12 credit point thesis. The thesis is a core element of the degree in each engineering course. The knowledge and skills acquired in the design, experimentation, analysis, management and communications aspects of the course are brought together in an individual project undertaken by the student under the guidance of an academic supervisor. Individual disciplines will advise further requirements at the start of the thesis.		
	ENGG453 Thesis B		
	Annual	Wollongong	On Campus
	Spring	Wollongong	On Campus
Education	Autumn	Wollongong	On Campus
	Spring2007/Autumn2008	Wollongong	On Campus
	Credit Points: 18		
	Pre-requisites: Completion of 120cps		
Engineering	Co-requisites: None		
	Subject Description: As an alternative to ENGG452, subject ENGG453 (18 credit points) may be taken by students in the Engineering Scholars program, or by other high achieving students with the permission of the Sub Dean of Engineering. A student electing to take ENGG453 will undertake a longer period of work and complete a longer thesis. Students are expected to spend 504 hours on the 18 credit point thesis. The thesis is a core element of the degree in each engineering course. The knowledge and skills acquired in the design, experimentation, analysis, management and communications aspects of the course are brought together in an individual project undertaken by the student under the guidance of an academic supervisor. Individual disciplines will advise further requirements at the start of the thesis.		
	ENGG454 Professional Experience		
	Spring	Wollongong	On Campus
Health & Behavioural Sciences	Autumn	Wollongong	On Campus
	Credit Points: 0		
	Pre-requisites: None		
	Co-requisites: None		
Informatics	Subject Description: As a requirement for the award of the degree of Bachelor of Engineering, students are required to obtain at least 12 weeks approved professional experience in a relevant industry during the course and submit a report to the satisfaction of the Discipline Directors of Studies. It is preferable that candidates undertake this requirement during the summer recess, between the third and fourth years of the BE degree. Exemption from the requirement will be given to a student who has passed one or more of the Professional Option subjects. Refer to Discipline Directors' of Studies for details.		
	ENGG455 Professional Option 4		
	Annual	Wollongong	On Campus
	Autumn	Wollongong	On Campus
Law	Spring	Wollongong	On Campus
	Credit Points: 6		
	Pre-requisites: None		
	Co-requisites: None		
Science	Subject Description: This subject is for students currently in approved full-time employment and enrolled in a part-time study program. This subject will normally be taken in Stages 3, 4 or 5 of the BE Program. Students must seek approval to enrol in this subject from their Director of Studies. Approval will be granted to students who can demonstrate that their employment provides appropriate experience and training as part of their degree program. Approval will not be granted for work that involves essentially trivial/routine tasks or that is not directly related to the discipline of engineering relevant to the students. program.		
	ENGG461 Management and Human Factors in Engineering		
	Autumn	Wollongong	On Campus
	Credit Points: 6		
	Pre-requisites: ENGG361 or ECTE350		
	Co-requisites: None		
	Subject Description: The particular topics addressed in this course, which every engineering student should know and be prepared to put into practice on entering his/her professional career, include: Project Management; Total Quality Management; Quantitative Management Techniques; Human Relations; Engineers' Ethics and Controversy; Engineers as Consultants/Experts; Accidents and Risk, Occupational Health and Safety; Maintenance Management; and Innovation Management.		
	ENVE220 Water Quality Engineering		
	Spring	Wollongong	On Campus
	Credit Points: 6		
	Pre-requisites: ENGG252 Engineering Fluid Mechanics		
	Co-requisites: None		
	Subject Description: The subject is designed to introduce environmental engineering concepts at a fundamental level that leads to sustainable development. The environmental problems and solutions relating to natural resources, ecological systems, water pollution, water quality processes in rivers and lakes, water supply and treatment processes, wastewater collection, treatment and re-use, water quality guidelines and other global environmental issues will be discussed. The lecture components will be complemented with tutorials and laboratory classes.		
	ENVE221 Air and Noise Pollution		
	Spring	Wollongong	On Campus
	Credit Points: 6		
	Pre-requisites: None		
	Co-requisites: None		
	Subject Description: Air Pollution – meteorology; atmospheric chemistry; air quality; sources of air pollution; effects of air pollution; dispersion modelling; control of air pollution. Noise Pollution – noise pollution legislation; sound power and intensity levels; noise from several sources; background noise effects; defining and measuring noise; weighting factors and		

equivalent noise levels; effect of noise on people; propagation of sound; noise control at source, during propagation and at receiver; design of noise barriers.

ENVE311 Pollution Control and Cleaner Production

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ENVE220 – Water Quality Engineering

Co-requisites: None

Subject Description: This subject is divided into two sections. The first section deals with unit processes design. In this section all the physico-chemical processes commonly used for water pollution control will be discussed in detail. In the second section two topics viz, industrial waste management and cleaner production will be introduced. Industrial waste management includes source identification, characterisation, segregation, treatment and disposal. It also includes design of various unit operations/processes for liquid waste treatment. Application of advanced processes in an industry for waste treatment, reuse and recycling, and final disposal of wastes, plus overall waste auditing of an industry will be illustrated using a case study.

ENVE320 Environmental Engineering Design 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ENVE220 Water Quality Engineering

Co-requisites: None

Subject Description: The subject is designed to introduce system design using unit processes encountered in environmental engineering. The subject will cover design concepts, detailed and advanced design of water supply and treatment systems, advanced solid –liquid separation processes, design of wastewater collection systems, design of advanced wastewater treatment plant design, ocean outfall systems, design of land based systems, network design. The subject also includes design of air pollution and control systems. The lecture components will be complemented with design classes and field trips.

ENVE321 Solid and Hazardous Waste Management

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject introduces fundamentals of solid and hazardous waste management. The content includes characterisation, collection, transportation, storage and final disposal of solid and hazardous waste. In the case of hazardous waste, additional topics of identification, classification, risk assessment, legislation and health hazards will be covered. Waste minimisation, reuse/recycle; stabilisation and volume reduction of hazardous waste are considered. Besides lectures and tutorial sessions, this subject includes field trips, laboratory classes and project work.

ENVE385 Environmental Engineering

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: None

Co-requisites: None

Subject Description: (a) Causes and control of air pollution, water pollution and noise pollution. (b) Experiments on water characteristics determination, waste water characteristics determination, oxygen capacity of water, noise pollution and air pollution.

ENVE410 Site Remediation

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CHEM214 Analytical and Environmental Chemistry

Co-requisites: None

Subject Description: This subject introduces fundamentals of site remediation and will include topics such as site characterisation, containment, soil erosion and remediation technologies. Remediation technologies such as biodegradation, permeable barriers, composting, incineration and soil vapour extraction will be presented in detail. Containment topics will include cover systems, reactive barriers, vertical barriers and geosynthetics. Topics such as remediation of soft and compressible ground, and acid sulphate soils will also be presented.

ENVE420 Water Engineering

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: CIVL322 Hydraulics and Hydrology

Subject Description: Coastal Engineering – wave forecasting; wave refraction; diffraction and breaking; wave forces on structures; beach erosion and beach protection. Water Resources – the hydrologic cycle; distribution of the world's water resources; surface water resources; groundwater resources; computer models of catchment water balances; storage reservoir yield analysis. River Engineering – fluvial hydraulics; morphology of natural channels; erosion and sediment transport; re-naturalising streams; remediation of polluted rivers. Urban Stormwater Management – stormwater quality and flooding problems in urban areas; flood reduction using detention basins; computer modelling of urban stormwater systems.

ENVE421 Environmental Engineering Design 2

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ENVE320, ENVE321 and CIVL322

Co-requisites: None

Subject Description: The ability to undertake a comprehensive integrated project design is the capstone of a student's engineering education. This subject will provide students with the opportunity to undertake the design of a major project. Students will be provided with an overall concept plus specific requirements that must be met by the design. All aspects of environmental engineering will be involved, including impact assessment, legislation, and modelling. Topic areas that have not been presented in previous subjects, but are required for the successful completion of the project, will be covered during the lecture portion of the class. Lecture topics will include environmental impact assessment and legislation, and environmental modelling.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>ENVE422 Membrane Science and Technology</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: The subject intends to demonstrate to students how nature works (biological membranes) and how such principles (membrane processes) can be used for medical, water and wastewater, processing and other industries by engineering appropriate materials and systems. The subject hence leads from nature to material science and engineering, fundamental transport principles to applications and process design with immediate relevance to the water and wastewater treatment industry where membranes are becoming a predominant process choice worldwide. The subject aims to bring science and engineering together on a number of levels such as in terms of learning from nature, applying engineering solutions to medical applications and using scientific principles to obtain engineering solutions. Both engineering and science students will be exposed to the thinking in the other discipline.</p>	<p>Co-requisites: MATE201 Structure and Properties of Materials</p> <p>Subject Description: Nucleation in liquid and solid states; thermodynamics of solidification and phase transformation; solidification of pure materials and alloys; thermal supercooling; constitutional supercooling; interface stability; solute redistribution; eutectic solidification; crystal growth techniques. Solid-state transformations – nucleation and growth of phases; Fick’s laws of diffusion; diffusion mechanisms; transformation kinetics; transformation diagrams. Diffusional and diffusionless transformations: decomposition of solid solutions; ordering reactions, spinodal decomposition; eutectoid, massive, bainitic and martensitic transformations; crystallographic features; transformations in common alloy systems.</p>
Commerce		
Creative Arts		
Education	<p>MATE201 Structure and Properties of Materials</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: ENGG153 Engineering Materials or PHYS141 Fundamentals of Physics A and PHYS142 Fundamentals of Physics B</p> <p>Co-requisites: None</p> <p>Subject Description: Study of fundamental crystallography, structural defects, non-crystalline structures, structures of common metals, intermetallics, simple ceramics and polymers. Electrical, magnetic, optical, thermal and mechanical properties of materials and their relationships to structure will be discussed. Basic principles of techniques used to study structure will be introduced: optical microscopy, x-ray diffraction and scanning and transmission electron microscopy. Students will participate in tutorials and laboratory work related to these topics.</p>	<p>MATE204 Mechanical Behaviour and Fracture</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: MATE201 Structure and Properties of Materials</p> <p>Co-requisites: None</p> <p>Subject Description: Theoretical strength; slip; twinning; deformation of single and poly crystals; dislocation multiplication; cross slip; climb; dislocation interactions. Strain hardening; solid solution hardening; dispersion hardening; grain size strengthening; other strengthening mechanisms. High temperature deformation; creep; stress relaxation; effect of strain rate and temperature; plastic instability; super plasticity; viscoelastic behaviour. Fracture mechanics – fracture modes; plane stress and plane strain; notch effects; crack propagation; fracture toughness; high temperature fracture; fatigue and environmentally-assisted failure; design to minimise fracture.</p>
Engineering		
Health & Behavioural Sciences	<p>MATE202 Thermodynamics and Phase Equilibria</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: CHEM103 or CHEM101 and CHEM102 or CHEM104 and CHEM105</p> <p>Co-requisites: None</p> <p>Subject Description: Laws of thermodynamics: energy, entropy and free energy; equilibrium in chemical systems; chemical potential; determination of thermodynamical quantities; thermodynamics of phase equilibria and construction of phase diagrams. Binary condensed systems; Gibbs phase rule; lever rule; types of equilibrium diagram; experimental determination of phase diagrams, microstructural development, non-equilibrium effects. Ternary condensed systems. Application of phase equilibria to metallic, ceramic and polymeric systems.</p>	<p>MATE291 Engineering Computing and Laboratory Skills</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: ENGG153 Engineering Materials</p> <p>Co-requisites: None</p> <p>Subject Description: Introduction to basic laboratory techniques used to study structure and properties of materials. Techniques include thermal treatment, reflected and transmitted light microscopy, micro-hardness testing of alloys and statistical analysis of data. Introduction to computer operating systems, application of spreadsheets to engineering problems, introduction to structured programming using flow-charts; data acquisition and control using the C-language. Information gathering and report writing skills will be further developed.</p>
Informatics		
Law		
Science	<p>MATE203 Phase Transformations</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p>	<p>MATE301 Engineering Alloys</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: MATE203 Phase Transformations</p> <p>Co-requisites: None</p> <p>Subject Description: Ferrous alloys – Phase transformations in ferrous alloys; binary and ternary additions to iron; strengthening mechanisms; ternary and multi component alloys; commercial steels and cast irons; hardenability. Non-ferrous alloys – Physical metallurgy, processing and applications of commercially significant non-ferrous alloys. Advanced alloys and processing</p>

– superalloys, superplastic alloys and metal-matrix composites. Design and selection of metallic materials on the basis of property requirements. Case studies.

MATE302 Polymeric Materials

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ENGG153 Engineering Materials

Co-requisites: None

Subject Description: Review of polymerisation chemistry. Description of polymer structures from macromolecular to macroscopic; introduction to techniques for characterisation of polymer structures. Relationships between structure and properties of polymers, including mechanical, thermal, chemical, optical, electrical and rheological. Processing techniques for polymer products. Engineering design with polymers. Advanced polymers.

MATE303 Ceramics, Glasses and Refractories

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATE201

Co-requisites: None

Subject Description: Description of complex ceramic structures, including atomic and microstructural features of glass and crystalline ceramics, study of relationships between structures and physical and mechanical properties, methods for testing ceramics, industrial processing methods for ceramics, refractories, engineering ceramics. A major process design project, in which students attempt to make a finished ceramic product which meets certain specifications forms a key part of the assessment.

MATE304 Transport Phenomena in Materials Processes

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH283 Mathematics

2E for Engineers Part 1

Co-requisites: None

Subject Description: Fluid dynamics – Properties of and types of fluids; laminar and turbulent flow; energy balances; conservation of energy; flow through packed beds; dimensional analysis; fluid flow measurement. Heat and mass transfer – One and two dimensional heat conduction; radiation heat transfer; free and forced convection. Application of Ficks laws to diffusion in solids, liquids and gases; mass transfer coefficient; mass transport in fluid systems; interphase mass transfer; two-resistance theory. Applications of transport phenomena to a range of metallurgical processes.

MATE305 Primary Materials Processing

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATE202 Thermodynamics

and Phase Equilibria

Co-requisites: None

Subject Description: Introduction to primary processing; raw materials and materials preparation for production of metals, ceramics and polymers; mineral processing; production of metal oxides, clinkers and sinters. Study of metallurgical processes including iron and steelmaking, production of copper and aluminium.

Introduction to polymerisation processes. The application of thermodynamics and kinetics to processing. Students will be involved in case study based projects, some laboratory work and visits to industrial sites.

MATE306 Degradation of Engineering Materials

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MATE202 Thermodynamics

and Phase Equilibria

Co-requisites: None

Subject Description: Preliminary corrosion & electrochemistry; metals in equilibrium, thermodynamics of corrosion and dissolution, Pourbaix diagrams; Departures from equilibrium– kinetics of corrosion & the Evans diagram; types of corrosion, methods of measuring corrosion rates; Surface films & passivity; Corrosion prevention & control. Wear of materials; surface topography and its determination; origin of friction, influence of surface films and work hardening on friction; introduction to contact mechanics; wear mechanisms and wear maps; techniques for minimising wear. Design of materials for particular service environments. Degradation of ceramics and polymers.

MATE391 Materials Testing Techniques

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATE291 Engineering

Computing and Laboratory Skills

Co-requisites: None

Subject Description: This is a laboratory based subject designed to give students practical experience with a variety of testing techniques used to assess materials. Techniques include thermal analysis, dilatometry, particle size analysis, and scanning electron microscopy and energy dispersive spectroscopy of x-rays. Principles of the techniques, data analysis and applications of the techniques to engineering problems such as failure analysis and phase transformations will be studied.

MATE401 Selection of Materials in Engineering Design

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATE201 Structure

and Properties of Materials

Co-requisites: None

Subject Description: Engineering materials: properties, specifications and standards. Processes for shaping materials. Analysis of property – processing requirements for given applications. Design for recycling and sustainable development. Cost considerations in selection and design. Influence of shape factors in component design. Selection methodologies: performance indices, weighted property indices, value analysis, failure analysis and cost-benefit analysis.

MATE402 Secondary Materials Processing

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MATE202 Thermodynamics and Phase

Equilibria and MATE203 Phase Transformations

Co-requisites: None

Subject Description: Heat flow in solidification;

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	solidification of castings and ingots; mould design; continuous casting, near-net-shape casting, squeeze casting, spray forming and other casting methods; grain refinement; as-cast microstructure and homogenisation; casting defects. Mechanics of deformation processing; flow stress determination; temperature and strain-rate effects; dynamic restoration mechanisms; friction and lubrication; residual stresses; deformation-zone geometry; microstructural modelling; control of microstructure; computer-aided programming. Industrial metalworking processes: rolling, forging, extrusion, drawing, and machining; production of polymers and ceramics.
Commerce	
Creative Arts	MATE411 Advanced Materials and Processing Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MATE201 Structure and Properties of Materials and MATE203 Phase Transformations Co-requisites: None Subject Description: Study of advanced materials selected from: glassy, quasi crystalline and nano crystalline materials, magnetic, electronic, catalytic and bio sensing materials; intelligent, functionally gradient and environmental materials. Superplasticity, superelasticity and superconductivity. Metal, polymer and ceramic based composite and principles of reinforcement. Advanced processing methods selected from: rapid solidification, powder processing, near-net-shape forming, self-sustaining high temperature synthesis, biomimetic processing, sol-gel processing, zone refining and molecular beam epitaxy. Engineering applications of advanced materials and processing methods.
Education	
Engineering	MATE412 Electronic Materials Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MATE201 Structure and Properties of Materials or PHYS205 Advanced Modern Physics or PHYS230 Intermediate Physics Co-requisites: None Subject Description: The nature of electronic materials; Electrons in solids, band theory, insulators, conductors, semiconductors and superconductors. The free and nearly free electron theories. Electrical conductivity, hall effect. Types of magnetic materials. Semiconductors – intrinsic, extrinsic, the hole, the p-n junction. Superconductors – phenomena, BCS theory. Production of semiconductors and superconductors, control of processing to achieve desired properties. Design and production of novel materials to achieve improved performance in electronic devices; modern applications.
Health & Behavioural Sciences	
Informatics	
Law	MATE413 Structural Characterisation Techniques Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MATE291 Engineering Computing and Laboratory Skills Co-requisites: None Subject Description: Several advanced structural characterisation techniques will be introduced through lectures and laboratory classes. Topics may be selected from: electron microscopy – interactions of electrons with solids, electron optics, image formation and interpretation, scanning and transmission electron
Science	

microscopy , energy dispersive spectroscopy , convergent beam electron diffraction, image contrast theory, thin foil microanalysis. Atomic force microscopy, X-ray diffraction and texture analysis. Studies of advanced materials characterisation techniques may also be included.

MATE421 Metallurgical Process Engineering

Not on offer in 2007

Credit Points: 6

Pre-requisites: MATE202 Thermodynamics and Phase Equilibria

Co-requisites: None

Subject Description: This subject provides an introduction to the principles of metallurgical process engineering. The underpinning scientific principles of metallurgical processing are used to elucidate operating procedures of industrial processes. Application of metallurgical thermodynamics to slag – metal equilibria during metallurgical processes. Study of pyrometallurgical refining of copper and the use of stability diagrams: electrolytic refining. Introduction to other non-ferrous processes such as aluminium and zinc production.

MATE422 Iron and Steelmaking

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATE202 Thermodynamics and Phase Equilibria

Co-requisites: None

Subject Description: The fundamentals of metallurgical thermochemistry and reaction kinetics are studied with a view to metallurgical process analysis in the iron and steelmaking industry, with an emphasis on ladle metallurgy. Direct reduction of iron ore; single particle reduction kinetics and the analysis of shaft furnace operation leading to an analysis of the blast furnace. Analysis of industrial processes with emphasis on reactor design, smelting-reduction and ferro-alloy production.

MATE431 Sheet Metal Processing

Not on offer in 2007

Credit Points: 6

Pre-requisites: MATE203 Phase Transformation

Co-requisites: None

Subject Description: Plastic forming – Flow behaviour of sheet metals under uniaxial and biaxial stress; yielding criteria; plastic anisotropy. Shaping processes – Deep drawing; press forming; wall ironing and spinning; stretch forming; superplastic forming; workability; forming limit criteria; defects in formed parts; cutting; piercing and blanking. Surface finishing – Metallic, ceramic and polymeric coating of sheet materials; formability and defects in coated sheet. Case studies of forming of industrially significant sheet metals.

MATE432 Mechanical and Thermal Processing

Not on offer in 2007

Credit Points: 6

Pre-requisites: MATE301 Engineering Alloys and MATE304 Transport Phenomena in Materials Processes

Co-requisites: None

Subject Description: Thermal treatment – Heat transfer in batch and continuous annealing; furnace design; heating efficiency; temperature control; heat treatment problems in engineering. Deformation and annealing – Polycrystalline

plasticity; deformation microstructure and texture; stored energy; mechanisms of recovery and recrystallization; nucleation and growth of new grains; kinetics; effect of purity, solutes and particles; control of grain size; grain growth and secondary recrystallization; annealing textures; plastic and magnetic anisotropy; case studies.

MATE433 Surface Engineering

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: MATE306 Degradation of Engineering Materials

Subject Description: Classification of surface treatments, thermal, thermochemical, chemical vapour deposition, physical vapour deposition, thermal spraying, chemical and electrochemical processing; industrial engineering applications.

MATH010 Enabling Mathematics for Engineers

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: HSC General Mathematics OR Yr 10 Advanced Mathematics

Co-requisites: None

Exclusions: Not to count with MATH151.

Subject Description: The subject covers the main topics which are taught in mathematics years 11 and 12 at school. The chosen topics are specifically those taken as assumed knowledge in the subjects MATH141 and MATH187. The general topic areas are: algebra, trigonometry, coordinate geometry, functions and calculus. The focus is on developing mathematical skills and improving competence and confidence in the language and terms of mathematics. Where possible the work will be related to potential engineering applications.

MATH141 Mathematics 1C Part 1

Autumn Loftus On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Either a mark of at least 65 in MATH151 OR in NSW HSC Examination: Mathematics - Band 2 or better.

Co-requisites: None

Exclusions: MATH101, MATH141, MATH161 and MATH187 are not to count together.

Subject Description: MATH141 is an alternative core subject for candidates whose HSC mathematics background is weaker than that required for MATH187. The aim of this subject is to develop ideas, concepts and skills in mathematics, especially applied skills, for application in later subjects. Main topics covered are matrix algebra, determinants, vectors, and differential and integral calculus.

MATH142 Mathematics 1C Part 2

Spring Loftus On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Either MATH141 or MATH161 OR a mark in the range 45 to 54 in MATH187

Co-requisites: None

Exclusions: MATH101, MATH142, MATH162 and MATH188 are not to count together.

Subject Description: MATH142 is a core subject continuing on from MATH141. The aim of this subject is to develop ideas, concepts and skills, especially applied skills, in mathematics for application in later subjects. Main topics covered are further calculus, differential equations, numerical mathematics, sequences and series of numbers and complex numbers. Students who do sufficiently well in MATH142 may proceed to relevant 200 level mathematics subjects.

MATH187 Mathematics 1A Part 1

Autumn Loftus On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Either a mark of at least 80 in MATH151 OR (in the NSW HSC Examination) Mathematics Band 4; or Mathematics Ext 1.

Co-requisites: None

Exclusions: MATH101, MATH141, MATH161 and MATH187 are not to count together.

Subject Description: The pair of subjects MATH187 and MATH188 make up the core for 100 level subjects. They are needed for most 200 level subjects in Mathematics and Applied Statistics. Students not wishing to proceed to 200 level mathematics may just study MATH187. MATH187 is available to students in all disciplines. This subject aims to develop ideas, concepts and skills in mathematics for application in subjects that require MATH187 as a co- or pre-requisite. Main topics are matrix algebra, determinants, vectors, and differential and integral calculus.

MATH188 Mathematics 1A Part 2

Spring Loftus On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Either MATH187 OR a mark of at least 65 in MATH141 or MATH161

Co-requisites: None

Exclusions: MATH101, MATH142, MATH162 and MATH188 are not to count together.

Subject Description: MATH188 is a core subject continuing on from MATH187. The aim of this subject is to develop ideas, concepts and skills in mathematics for application in later subjects. Main topics covered are further calculus, differential equations, sequences and series of numbers, numerical mathematics and complex numbers. This subject is required for most 200 level Mathematics and Applied Statistics subjects.

MATH283 Mathematics IIE for Engineers Part 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: One of MATH101 or MATH142 or MATH144 or MATH162 or MATH188

Co-requisites: None

Exclusions: Not to count with MATH202 or MATH261 or MATH281.

Subject Description: MATH283 is a subject for Bachelor of Engineering students. The subject consists of two topics, Differential Equations and Statistics. Each topic is worth 50% of the final mark. Differential Equations deals with new techniques, including the Laplace transform, Fourier series, and special functions (the gamma, beta and error functions). Statistics gives

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>an introduction to statistical computing, and to basic statistical techniques, including mathematical models for describing variation in experimental situations.</p> <p>MECH201 Engineering Analysis Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MATH283 Mathematics II E Part 1 Co-requisites: None Subject Description: Analysis for the conservation of mass, momentum and energy in engineering systems; numerical methods for the solution for a selection of problems in fluid mechanics, heat transfer, solids mechanics, bulk solids and control systems; linear algebra; eigenvalue analysis; optimisation curve fitting; roots of equation; experimentation to validate engineering analysis; ordinary differential equations; partial differential equations; use MATLAB and spreadsheets for numerical solutions of engineering problems.</p>	<p>numerical data; mode of operation and applications of sensors and transducers; laboratory experimental methods, data analysis and safe working practices.</p> <p>MECH311 Mechanical Engineering Design Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MECH215 Fundamentals of Machine Component Design Co-requisites: None Subject Description: Fatigue design including combined stresses, fracture mechanics and material selection. Contact stresses. Application of current design codes (eg for shaft design and rating helical and spur gears). Case studies incorporating cost estimation and evaluation, and project management. Students are required to analyse and propose solutions for a typical engineering problem drawn from the local industry. The solution would normally involve a combination of innovative thinking and an integration of analysis tools provided in this and preceding subjects. A site visit is normally incorporated to clarify the link between the analytical work and the application to a real problem.</p>
Commerce		
Creative Arts	<p>MECH215 Fundamentals of Machine Component Design Spring Wollongong On Campus Credit Points: 6 Pre-requisites: ENGG154 Engineering Design and Innovation Co-requisites: ENGG251 Mechanics of Solids Subject Description: Design and Build Competition requiring team work, concept designs and final solution; design and analysis of fundamental machine components, such as limits and fits, bolted and welded connections, power screws, keys, spur and helical gears, brakes, clutches, bearings and failure theories for static and cyclic load conditions.</p>	<p>MECH321 Dynamics of Engineering Systems Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MATH283 Mathematics IIE for Engineers Part 1 Co-requisites: MECH226 Machine Dynamics Subject Description: Derivation of system equations for mechanical, electrical, thermo-dynamic and fluid-dynamic systems; analysis of linear, transverse and torsional vibration of mechanical systems; system classification; linearisation of system equations; linear time-invariant differential equations using transfer function representation analysis of system response in the time and frequency domain; simulation of dynamic systems.</p>
Education		
Engineering	<p>MECH226 Machine Dynamics Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MATH188 or MATH142 or MATH162 and ENGG152 Co-requisites: None Subject Description: Dynamics of rigid bodies and simple mechanisms in plane motion, kinematic analysis by vector and polygon methods, velocity analysis by instantaneous centres; kinetic analysis by superposition vector and force polygon methods, matrix method, method of virtual work; energy distribution method; kinematics of cam profiles; balance of rotors; introduction to CAD mechanism design; synthesis of a mechanism.</p>	<p>MECH340 Fluid Dynamics and Heat Transfer for Mechatronics Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: MATH142 or MATH188 Exclusions: MECH440 Subject Description: This subject is designed to introduce elementary fluid mechanics and heat transfer concepts to mechatronic engineers. The topics include fluid properties, hydrostatics, manometry, Bernoulli's, mass, energy and momentum equations, fluid flow in pipes and their applications, dimensional analysis, heat conduction, convection and radiation and analysis of situations involving heat transfer in the field of mechatronics.</p>
Health & Behavioural Sciences		
Informatics	<p>MECH252 Engineering Experimentation and Thermodynamics Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: ENGG101 Co-requisites: None Exclusions: MECH152 Subject Description: This subject is designed to provide students with a range of knowledge and skills including: the understanding and use of the First and Second Laws of Thermodynamics in processes and machines and how they relate to the issue of energy efficiency and sustainability; use of advanced spreadsheet programming to analyse experimental and</p>	<p>MECH341 Thermodynamics Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: ENGG252 Engineering Fluid Mechanics Subject Description: Properties of pure substances; first law of thermodynamics, closed systems, control volumes; second law of thermodynamics; entropy; second law analysis of engineering systems; power and refrigeration cycles; mixtures; psychrometrics and basic air conditioning.</p>
Law		
Science		

MECH343 Heat Transfer and Aerodynamics
 Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG252 Engineering Fluid Mechanics
Co-requisites: None
Subject Description: One and two dimensional heat conduction; forced convection; heat exchangers; radiation; boundary layer flows; flow around immersed bodies; one dimensional compressible flow with and without heat transfer; normal shock waves; compressible flow in pipes.

MECH365 Control of Machines and Processes
 Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH284 or MECH201 and MECH321
Co-requisites: None
Subject Description: Classical control system analysis and design concepts: transient response, steady-state error analysis, frequency domain analysis, root-locus controller design methods and frequency domain controller design methods; PLC programming.

MECH372 Solids Handling and Process Engineering
 Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH215 Fundamentals of Machine Component Design
Co-requisites: ENGG252 Engineering Fluid Mechanics
Subject Description: An overview of bulk materials handling. Introduction to characterisation of bulk solid materials, gravity flow in hoppers and chutes, feeding and discharge devices, mechanical conveying, pneumatic conveying, dust control and dust explosions, and instrumentation and control for materials handling systems.

MECH378 Sustainable Energy Technologies
 Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG252 - Engineering Fluid Mechanics or MECH440 Fluid Dynamics and Heat Transfer for Mechatronics
Co-requisites: None
Subject Description: This subjects covers a number of Sustainable Energy Technologies including the following: solar thermal systems; photovoltaics; wind energy; hydroelectricity generation; wave power systems; biomass; remote area power supplies; energy conservation/auditing.

MECH382 Manufacturing Engineering Principles
 Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH215 Fundamentals of Machine Component Design and ENGG153 Engineering Materials
Co-requisites: None
Subject Description: This course introduces students to the basic principles of manufacturing engineering. Topics include an overall perspective on manufacturing; life-cycle and environmental factors; interactions between product design, materials and manufacturing processes; machining processes; metal cutting theory and machinability; joining and assembly processes; computers in manufacturing, NC/CIM/FMS/IMS; introduction to component handling

and industrial robotics; basic metrology and geometric tolerancing; process capability and quality control; machining economics; overview of non-conventional processes and advanced manufacturing trends.

MECH409 Micro/Nano Robotic Systems
Not on offer in 2007
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: An overview of manipulation systems, comparison of macro-micro-nano worlds, micro/nano mechanics, actuation, sensing, design, manufacturing/fabrication, control and calibration issues in micro/nano robotic systems, examples of micro/nano robotic systems and their application areas.

MECH417 Biomedical Engineering
Not on offer in 2007
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The course outline is divided into seven broad sections: 1. Provides pertinent background information on static analysis and dynamic motion of human structures, body replacements parts, sporting activities and exercises using basic mechanics. 2. Describes anatomy of the human body parts to make students familiar special vocabulary. 3. Considers muscle structure and function using muscle mechanics which looks into factors affecting muscle function. 4. Uses measurement techniques including strain rosette, EMG and catscan. 5. Involves ergonomic evaluation of manual handling operation, back pain and shoulder injury as well as design of ergonomic tools. 6. Presents use of smart or advanced materials for body replacement parts. 7. Focuses on biofluid using circulation through arteries, based on fundamental principles of fluid mechanics.

MECH418 Mechanical Behaviour of Engineering Materials
Not on offer in 2007
Credit Points: 6
Pre-requisites: ENGG251 Mechanics of Solids
Co-requisites: None
Subject Description: Review of the various forms of mechanical behaviour of materials. Development of tensorial stress, strain and elasticity. Physical basis for general materials behaviour and mathematical representation using constitutive equations for non-linear elasticity, plasticity, viscoelasticity and creep. Experimental and analytical approach to solutions of limit analysis for forming, ductile fracture and brittle fracture. Mechanisms of fatigue, friction and internal damping. Applications to engineering problems in product design, manufacturing operations, and reliability assessment.

MECH419 Finite Element Methods in Engineering
 Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG251 Mechanics of Solids and MECH201 Engineering Analysis
Co-requisites: None
Subject Description: Review of solid mechanics fundamentals and of matrix algebra. Elementary

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	derivation of finite element methods by variational principles, Galerkin method, and Rayleigh-Ritz technique. Finite element interpolation functions; natural and isoparametric coordinates. Derivation of stiffness matrix for selected one-, two-, and three-dimensional elements. Derivation of strain-displacement relations and calculation of element stresses. Assembly and solution of system matrices; application of constraints and local coordinate systems. Introduction to structural dynamics and vibration problems, mesh generation, and finite element software in engineering applications.
Commerce	MECH420 Engineering Stress Analysis <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: ENGG251 Mechanics of Solids and MECH201 Engineering Analysis Co-requisites: None Subject Description: Introduction to the theory of elasticity in rectangular and curvilinear coordinates. Solution of elementary problems in plane stress and plane strain using Airy's stress function. Thermoelasticity. Elementary theory of plates and shells. Classical and numerical techniques for solution of boundary value problems.
Creative Arts	
Education	MECH421 Manufacturing Process Analysis Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MECH382 Manufacturing Engineering Principles Co-requisites: None Subject Description: Comparative Process Analysis for Rolling, Casting, Forging & Forming; Steel Rolling Technology & Analysis; Metals vs. Plastics Processing;
Engineering	
Health & Behavioural Sciences	MECH422 Design and Analysis of Manufacturing Systems <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: MECH382 Manufacturing Engineering Principles Co-requisites: None Subject Description: Basic concepts and ideas of systems study with particular reference to their use in a manufacturing environment. Categories of manufacturing systems. Principles of the structure and operations of manufacturing systems and their elements (including the human component) especially those systems applied in discrete manufacturing. Techniques of systems analysis including computer simulations. Frameworks for applying systems analysis techniques to the design and analysis of advanced manufacturing systems including intelligent manufacturing systems and those associated with achieving enterprise integration, agile manufacturing and virtual enterprises. Plant layout and facility planning. Case studies and project work involving the design and analysis of advanced manufacturing systems.
Informatics	
Law	
Science	MECH423 Design for Manufacturing Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MECH382 Manufacturing Engineering Principles Co-requisites: None Subject Description: Introduction to concurrent

engineering; application and benefits; concurrent engineering applied to product development, product design, manufacturing process design, and manufacturing systems design; application of engineering tools including CAD, CAM, CAPP and rapid prototyping; design for machining, forming, casting, welding and assembly concepts; design efficiency; industrial ergonomics. General planning concepts in manufacturing; CAD/CAM and CIM/FMS.

MECH424 Managing Manufacturing Activities

Not on offer in 2007

Credit Points: 6

Pre-requisites: MECH382 Manufacturing Engineering Principles

Co-requisites: None

Subject Description: The problem of designing and managing a manufacturing activity, scope of manufacturing activities, demand forecasting, product design, capacity planning, scheduling, quality management, maintenance management, safety management, financial management, performance measurement, project presentation and reflection.

MECH426 Storage and Flow of Bulk Solids

Not on offer in 2007

Credit Points: 6

Pre-requisites: MECH372 Bulk Solids Handling Technology

Co-requisites: None

Subject Description: Characterisation of bulk solids and principles of granular flow; measurement and application of flow properties; bin and hopper flow patterns and geometries; chute design; flow rate predictions of course and fine powders; feeders and dischargers; bin wall pressures; mixing and segregation; case studies.

MECH427 Mechanical Conveying of Bulk Solids

Not on offer in 2007

Credit Points: 6

Pre-requisites: MECH372 Bulk Solids Handling Technology

Co-requisites: None

Subject Description: Design, application and characteristics of mechanical conveyors including belt, screw, cable rope way, cable and disk, chain, vibratory and elevating conveyors; unit handling; Standards; safety and case studies.

MECH428 Pneumatic Conveying and Dust Control

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MECH372 Bulk Solids Handling Technology

Co-requisites: ENGG252 Engineering Fluid Mechanics

Subject Description: Basic components of pneumatic transport systems; Modes of conveying; Models to predict conveying parameters; Dense-phase suitability; Conveying characteristics and scale-up procedures; Dust control health and safety requirements; Dust characterisation; Design and operating parameters for dust control systems; Duct networks.

MECH429 Physical Processing of Bulk Solids*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** MECH372 Bulk

Solids Handling Technology

Co-requisites: None**Subject Description:** Bulk solids description and characterisation; process flow sheets; unit operation characteristics and power requirements: solid-solid, liquid-solid and gas-solid and multiphase-solid processes; batch, continuous or intermediate processing and handling; control and instrumentation; case studies**MECH430 Automotive Dynamics**

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** MECH321 Dynamics of Engineering Systems**Co-requisites:** MECH365 Control of Machines and Processes**Subject Description:** Introduction, dynamics associated with acceleration, braking, cornering and rollovers; occupant comfort and response; dynamics of multi-mode mechanical systems; component characteristics and interactions including cabin, chassis, steering and suspensions.**MECH431 Computational Fluid Dynamics***Not on offer in 2007***Credit Points:** 6**Pre-requisites:** ENGG252 Engineering Fluid Mechanics and MECH201 Engineering Analysis**Co-requisites:** None**Subject Description:** Introducing the finite difference and finite volume methods for computational fluid dynamics. Explicit and implicit methods for computation. Stability analyses. Validation of computational results. Analysis of engineering systems involving incompressible and compressible flow of fluid.**MECH438 Fluid Power***Not on offer in 2007***Credit Points:** 6**Pre-requisites:** ENGG252 Engineering Fluid Mechanics**Co-requisites:** MECH365 Control of Machines and Processes**Subject Description:** Characteristics of fluid power components for the provision of power and/or control in machines and mechatronic systems. Synthesis of systems, integration with Programmable Logic Controller (PLC) units and remote controllers. Industrial applications of fluid power, design application, case study.**MECH439 Special Topics in Mechatronics**

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None**Subject Description:** There is no set syllabus for this subject. It is intended to be offered normally on a specialised mechatronics topic given by members of the Faculty, visiting academic staff or engineering consultants.**MECH442 Sustainable Energy in Buildings**

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None**Subject Description:** Fundamental principles of the performance of buildings with particular regard to thermal comfort and ventilation; analysis and design of conventional air conditioning systems to appropriate Australian Design Standards; passive solar design of buildings; energy conservation in buildings; embodied energy in buildings; natural ventilation systems; and refrigeration systems.**MECH468 Computer Control of Machines and Processes**

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** MECH321 Dynamics of Engineering Systems**Co-requisites:** MECH365 Control of Machines and Processes**Subject Description:** State-variable modelling; design of state variable feedback systems, controllability, observability, optimal control, pole placement using state feedback, internal model design; digital control systems, z-transform, stability analysis in the z-domain; performance and robustness of closed loop computer controlled systems, implementation aspects.**MECH474 Systems Engineering and Life Cycle Management**

Autumn Wollongong Flexible

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None**Subject Description:** Phases of life cycle of products and industrial equipment, life cycle costing, economics and models, manufacturing and environmental considerations, cost estimations, analysis and design, logistic support, maintainability, availability, interface control, system integration, testing and performance evaluation, installation procedures, asset management, disposal purchase/replacement policies and decision making.**MECH479 Sustainable Transport and Engine Technologies**

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** MECH341 Thermodynamics and MECH226 Machine Dynamics**Co-requisites:** None**Subject Description:** Human powered transport; conventional and novel engine technology design, analysis and evaluation; strategies for reducing emissions; fuel supplies and alternative fuels; electric and hybrid vehicles; solar vehicles; fuel cells.**MECH481 Special Topics in Mechanical Engineering 1**

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Subject Description: There is no set syllabus for this subject. It is intended to be offered normally on a specialised mechanical engineering topic given by members of the Department, visiting academic staff or engineering consultants.</p>	<p>MINE221 Underground Coal Mining Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Access to underground coal seams, Coal mining methods; bord and pillar, longwall, miniwall, thick seam, multi-seam and horizon mining and highwall mining. Mechanisation; powered loaders and coal cutting technology, coal transport to include chain and belt conveyors, man and material transport, rope haulage and hoisting. Ventilation systems and field visits</p>
Commerce	<p>MECH482 Special Topics in Mechanical Engineering 2 Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: There is no set syllabus for this subject. It is intended to be offered normally on a specialised mechanical engineering topic given by members of the Department, visiting academic staff or engineering consultants.</p>	<p>MINE311 Surface Mining and Blasting <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Surface mining operations; alluvial mining, hydraulic mining, and dredging; strip mining of bedded deposits, surface mining of massive deposits, quarrying. Loading and transport of rocks and minerals. Drilling and blasting. Classification of explosives used in mines. Properties of explosives. Theories of detonation and blasting. Initiation of explosives. Blasting accessories. Systems of firing and blast design. Controlled blasting. Noise and vibration. Storage, transport and handling of explosives. Misfires and accident prevention. Regulations.</p>
Creative Arts	<p>MECH487 Systems Analysis for Maintenance Management Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MATH283 Mathematics 2E for Engineers Part 1 Co-requisites: None Subject Description: Maintenance Requirements Analysis Methodology, Qualitative Methods of Failure Mode Identification, Reliability Theory for Systems, Reliability Data Analysis, Preventive Replacement Policies, Selection of Inspection Intervals, Grouping of Maintenance Actions, Repair/Replace Decisions, Practical considerations in Maintenance Requirements Analysis, Auditing Maintenance Requirements Analysis outcomes.</p>	<p>MINE312 Mine Ventilation Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Mine air; pressure, temperature and humidity, sampling. General principles of ventilation; natural and artificial ventilation. Fans; axial and centrifugal. Fan characteristics and operations. Fan combinations and analysis. Booster and auxiliary fans. Ventilation surveying and planning. Network analysis. Application of computers to mine ventilation. Heat in mines, its physiological and psychological effects. Mine air conditioning and refrigeration. Elements of mine thermodynamics. Ventilation. Laboratory experiments.</p>
Education	<p>MECH488 Introduction to Condition Monitoring in Mechanical Engineering <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: MECH226 Machine Dynamics Co-requisites: None Subject Description: Introduction to Condition Based Maintenance (CBM); Tribology and Condition Based Maintenance; Condition Monitoring using Signal Diagnostics; CBM of Bearings, Pumps, Fans, Motors, Gearboxes, Hydraulic and Electrical Equipment; Failure Case Studies and Issues in Implementation; Artificial Intelligence in Condition Monitoring.</p>	<p>MINE321 Underground Metal Mining Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Underground Metalliferous ore deposit development, mining methods for regular and irregular deposits; open and supported stoping, sub level stoping, VCR, cuts and fill stoping, shrinkage stoping, block caving. Blasting and stope ventilation, Mechanisation to include drilling machines, LHD, track and Trackless transport. Pumps and Compressors, regulations and field visits.</p>
Engineering	<p>MECH489 Maintenance Management Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: ENGG361 Engineering Management Co-requisites: None Subject Description: Approaches to maintenance, The Systems Approach, Life cycle considerations for systems, Defining maintenance - A maintenance model, Analysing Maintenance Requirements: The Process, The Business Environment, Safety and Quality Standards, System Analysis, Failure Behaviour, Condition Monitoring, Maintenance Planning and Control, Inventory selection and control, Human factors and organisational aspects for maintenance, The information flows, documentation and computer control in maintenance.</p>	<p>MINE323 Mining Geomechanics Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Mechanical properties of rock, insitu properties of rock mass, index properties</p>
Health & Behavioural Sciences		
Informatics		
Law		
Science		

of rocks, pre-mining state of stress. Stress distribution around underground openings. Excavation design in massive elastic rock, stratified rock and jointed rock. Support and reinforcement – pillar design, rock bolting systems, passive support systems, longwall powered supports and mine backfill. Surface subsidence and methods of limiting damage due to subsidence. Rock bursts and bumps. Monitoring rock mass performance. Laboratory experiments.

MINE411 Health & Safety in Mines

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MINE221 Underground Coal Mining, MINE311 Surface Mining and Blasting, MINE321 Underground Metal Mining

Co-requisites: None

Subject Description: Gases in mines – firedamp emission and control, layering of mine gases. Spontaneous combustion. Dust and dust suppression. Fires and explosions. Measurement and control of noise. Rescue and recovery. Government regulations – coal and metalliferous mine regulations and acts, occupational health and safety act. Legal aspects of mining lease and legal responsibilities of mining engineers. Safety and accident avoidance. Optimising production without compromising safety.

MINE412 Mining Economics

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Valuation of mineral properties and mining prospects: global and local block reserves by traditional methods. Interaction of grade, tonnage, mining recovery and mining method. Introductory geostatistics. Project evaluation techniques: cash flow models, mineral taxation, tariffs, smelter agreements and accounting for inflation and risks. Marketing of mineral commodities.

MINE421 Minerals Beneficiation

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The subject is designed to provide students with detailed knowledge of the art of processing raw minerals to yield marketable products using physical, chemical and electro-magnetic techniques. The course contents will cover: Metallic and non-metallic ore, process flow charts and unit operations, sampling systems, slurry streams and mass balancing, concentration and recovery, net smelter return, particle size analysis, liberation and comminution, crushing and grinding, screening, classification, gravity concentration, flotation, dewatering, tailings disposal and industrial re-use. The lectures and tutorials will be complemented with laboratory tests, project work and a field trip.

MINE422 Mine Planning and Development

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Each student will be given basic information of a mining prospect including borehole data,

surface topography and projected output. The student will be required to submit a comprehensive report of the mine project together with appropriate plans.

MINE431 Mine Water

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Origin and hydro-geological aspects of mine water. Salinity problems. Acid mine drainage. Drainage in open pit mines. Drainage control in underground mine. Mine drainage design and calculations. Elements of tailings dam construction. Pollution case histories.

MINE433 Geostatistical Ore Reserve Estimation

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Review of statistical measures, outliers, and the desirable properties of an estimator. Basic concepts: regionalised variables, stationarity and intrinsic hypothesis. Variograms and structural analysis: calculation and interpretation experimental variograms and fitting theoretical models. Use of volume variance relationships. Estimation variance: sampling programs, optimal drill hole positions. Theory and practice of kriging: estimation at grid node and over block, total, and average grade. Recoverable reserves.

MINE434 Special Topics in Mining Engineering

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised mining engineering topic given by members of the Department or visiting academic staff or engineering consultants.

MINE438 Environmental Impact of Mineral Operations

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Environmental impact of surface and underground mining – visual impact assessment, air pollution, noise and vibration. Waste solids management, water pollution and acid drainage. Restoration of mine sites, land use, subsidence and socio-economic effects of mining. Field Visits.

NANO101 Current Perspectives in Nanotechnology

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The subject consists of a series of case studies from the main application

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	areas of nanotechnology (electronics, micro- and nano-electromechanical systems; biomimetics; nanostructured materials) illustrating the reasons why the nano-dimension offers advantages. Each case study will provide an overview of the importance of design, synthesis and characterisation in the realisation of the end-products. Guest lectures, web resources and tours of nanotechnology laboratories will be a feature as will demonstrations of the synthesis and characterisation of nano-materials (eg. AFM and nano-manipulation).	
Commerce	NANO201 Research Topics in Nanotechnology Spring Wollongong On Campus Credit Points: 6 Pre-requisites: NANO101 Co-requisites: None Subject Description: The subject consists of a series of case studies illustrating the development of understanding of materials behaviour at the nano-dimension; the methods for preparing nano-scale materials and the design, fabrication and testing of nano-devices. Emphasis in this subject is on the nanoscience and how the basic studies in chemistry, physics and materials provides the basis for understanding the current research in nanotechnology. A feature will be the laboratory demonstration of specific nano-phenomena (eg. tuned optical absorbance of nanoparticles).	
Creative Arts		
Education		
Engineering	NANO301 Research Topics in Nanomaterials Autumn Wollongong On Campus Spring Wollongong On Campus Summer 2007/2008 Wollongong On Campus Credit Points: 8 Pre-requisites: NANO201 Co-requisites: None Subject Description: Students will carry out a research project within a Materials based research group under the supervision of one or more members of staff. A list of possible projects will be provided and students will give a number of preferences. This includes work with the Intelligent Polymers Research Institute (IPRI) or the Institute for Superconducting and Electronic Materials (ISEM). The research is equivalent to about 120 hours lab time plus analysis, and report writing.	
Health & Behavioural Sciences		
Informatics	NANO401 Honours Project in Nanomaterials/Nanotechnology Annual Wollongong On Campus Credit Points: 24 Pre-requisites: NANO301 Co-requisites: None Subject Description: Students will carry out a research project within a Materials based research group under the supervision of one or more members of staff. A list of possible projects will be provided and students will give a number of preferences. Students write a major thesis based on their work that is examined by two independent examiners.	
Law		
Science	PHYS132 Physics for the Environmental and Life Science B <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None	Exclusions: not to count for credit with: PHYS142 OR PHYS143 OR PHYS145 Subject Description: This course introduces the physical principles underlying the uses of light, lasers and radar measurement in remote sensing as well as the assessment of nuclear-radiological hazards. It covers topics in wave phenomena, principles of electrical measurements, atomic and molecular physics and nuclear physics with an emphasis on the physical principles involved and examples drawn from the biosciences.
	PHYS141 Fundamentals of Physics A Autumn Wollongong On Campus Summer 2007/2008 Wollongong Flexible Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Vectors; vector algebra; motion in one dimension; motion in a plane; particle dynamics; work and energy; conservation of energy; conservation of momentum; collisions; rotational kinematics; rotational dynamics; conservation of angular momentum; equilibrium of rigid bodies; simple harmonic motion; gravitation; elasticity; temperature; heat and the first law of thermodynamics; kinetic theory of gases; entropy and the second law of thermodynamics; fluid statics; fluid dynamics.	
	PHYS142 Fundamentals of Physics B Spring Wollongong On Campus Summer 2007/2008 Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Vectors and their applications; an introduction to the physical laws of electricity and magnetism, leading to an explanation of the generation of electromagnetic waves and some basic ideas in communication theory. Electric charge and Coulomb's law, electric fields, potential differences, capacitance, dielectrics and relative permittivity, electric current, resistance, Ohm's	
	PHYS143 Physics For Engineers Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Vectors and their applications; an introduction to the physical laws of electricity and magnetism, leading to an explanation of the generation of electromagnetic waves and some basic ideas in communication theory. Electric charge and Coulomb's law, electric fields, potential differences, capacitance, dielectrics and relative permittivity, electric current, resistance, Ohm's	
	PHYS155 Introduction to Biomedical Physics Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject focuses on an organism as an open thermodynamic system, i.e. a system exchanging energy and matter with its environment, and discusses how the laws of physics limit these exchanges. Topics covered will include: energy,	

metabolic rates, radiation, conduction, convection and temperature control; static forces in organisms, how organisms move on land; fluid properties, diffusion, osmosis, transport of nutrients, introduction to the mammalian respiratory and cardiovascular systems; sensory perception, the electromagnetic spectrum, optical systems, sound, ultrasound and the Doppler effect; electric charges, fields, potentials and forces; cell potentials, cell membranes and ion transport.

PHYS205 Advanced Modern Physics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS141 and PHYS142

Co-requisites: None

Subject Description: Special relativity; Lorentz transformations; quantum effects; atomic structure; wave-particle duality; black body radiation; photo-electric effect; bremsstrahlung; Compton effect; X-rays; de Broglie hypothesis, particle diffraction; quantum mechanics; wave packets; uncertainty principle; Schrodinger equation; correspondence principle; particle in a box; wave functions of the hydrogen atom; nuclear particles, decay laws; binding energy; nuclear reactions; fission and fusion; statistical distribution functions; energy bands; impurity states; p-n junction and transistor.

PHYS206 Project in Physics

Annual Wollongong On Campus

Credit Points: 6

Pre-requisites: Normally performance in 100-level Physics and Mathematics subjects at the level of distinction or better

Co-requisites: None

Subject Description: Option 1 and Option 2 Dbl (A)/Aut/Spr

PHYS215 Vibrations, Waves & Optics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS141 and PHYS142

Co-requisites: None

Subject Description: Simple harmonic motion; two body oscillations; damped harmonic oscillator; power dissipation; quality factor; driven harmonic oscillator; superposition principle; Fourier analysis; Huygens' principle; reflection and refraction; wave motion; sinusoidal waves; group velocity; dispersion; Young's experiment; interference; coherence; Stokes' treatment of reflection and refraction; interference; standing waves; Fabry-Perot interferometer; Michelson interferometer; Fourier spectroscopy; Fresnel diffraction; Fraunhofer diffraction; resolving power; diffraction grating; holography; polarization of waves; double refraction; interference of polarized light.

PHYS225 Electromagnetism and Optoelectronics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS141, PHYS142, MATH201

Co-requisites: None

Subject Description: Lectures cover, in detail, the fundamental experimental laws of electromagnetism, how these relate to the electrical and magnetic properties of materials and finally lead to the four Maxwell field

equations. Plane wave solutions to Maxwells equations in free space and the properties of these waves. Coulomb's and Gauss' laws, potential, capacitance, properties of dielectrics, field calculations, steady currents magnetism, Biot-Savart law, Ampere's law, magnetic properties of materials, Faraday's law, inductance, charge continuity equations, Maxwell's equations, plane waves in free space. The associated electronics laboratory consists mainly of experimental work, combined with some lectures and tutorials, covering the physics of p-n junction diodes and transistors, simple device models, AC theory, transistor amplifiers, operational amplifiers and their use in a variety of elementary circuits (amplifiers, adders, integrators, differentiators).

PHYS230 Intermediate Physics

Not on offer in 2007

Credit Points: 12

Pre-requisites: PHYS141 and PHYS142

Co-requisites: MATH201 and MATH202

Subject Description: Content: As for the subjects PHYS205, PHYS215 and PHYS225.

PHYS233 Introduction to Environmental Physics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is based on a sequence of modules, each of which introduces a key environmental physics theme illustrated using case studies. Students will be introduced to simple systems modelling utilising spread sheet analysis. The key areas studied are: (i) Atmospheric gases and vapours, (ii) Thermal radiation and the environment, (iii) Hydrodynamics of air, water and particulates, (iv) Hydrology of soils and porous materials.

PHYS235 Mechanics & Thermodynamics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS141 and PHYS142

Co-requisites: MATH201

Subject Description: Vector calculus; kinematics of a particle; dynamics of a particle; moving reference systems; central forces; dynamics of a system of particles; mechanics of rigid bodies; Lagrange's Equations. Thermodynamic systems; equations of state; work; the first law of thermodynamics and its consequences; the second law of thermodynamics; entropy; combined first and second laws; thermodynamics potentials; applications of thermodynamics; kinetic theory of the ideal gas; molecular velocity distribution.

PHYS255 Radiation Physics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS141 and PHYS142

Co-requisites: None

Subject Description: Different types of radiation; Interaction between radiation and matter; Nuclear reactor and particle accelerator based applications in biology, medicine and physics; Nuclear reactions and the production of radioisotopes; Nuclear

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>instrumentation; Application of radio-isotopes in biology, chemistry, medicine and physics; Use of neutrons in biology, chemistry, physics and in industry.</p> <p>PHYS262 Vibrations and Waves Spring Wollongong On Campus Credit Points: 3 Pre-requisites: PHYS141 and PHYS142 Co-requisites: None Exclusions: Cannot count with PHYS215 Vibration, Waves and Optics Subject Description: a. Background to vibrations including: Simple harmonic motion; two body oscillations; damped harmonic oscillator; power dissipation; quality factor; driven harmonic oscillator; superposition principle; Fourier analysis. b. Background to wave motion and their interactions including topics on: wave motion; sinusoidal waves; Huygens' principle; reflection and refraction; group velocity; dispersion.</p>	<p>degeneracy, the hydrogen atom. Time independent perturbation theory, angular momentum and spin, identical particles; atoms, solids and quantum statistics.</p>
Commerce	<p>PHYS263 Photonics and Communications Annual Wollongong On Campus Credit Points: 6 Pre-requisites: PHYS141 and PHYS142 Co-requisites: None Exclusions: PHYS215 Vibrations, Waves and Optics Subject Description: The subject will consist of the following modules: 1. Electromagnetic waves: Waves and photons 2. Geometric optics 3. Interference: Amplitude and Wavefront Division 4. Fraunhofer and Fresnel Diffraction: Fourier Optics 5. Diffraction Gratings and Interferometers: Spectrometers 6. Coherence 7. Lasers 8. Fibre Optics 9. Detectors</p>	<p>PHYS306 Project in Physics Annual Wollongong On Campus Spring Wollongong On Campus Credit Points: 6 Pre-requisites: Normally performance in 200-level Physics and Mathematics subjects at the level of distinction or better Co-requisites: None Subject Description: Option 1 and Option 2 Dbl (A)/Aut/Spr</p>
Creative Arts	<p>PHYS295 Astronomy - Concepts of the Universe Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject takes a non-mathematical approach to Astronomy. No prior knowledge of physics is required to do the subject. This course will illustrate the techniques used by astronomers and will attempt to give an understanding of the universe as we presently understand it. The use of telescopes will give the opportunity to observe the phenomena discussed. The development of astronomy; the planets; the formation of the solar system; the sun as a star; the message of starlight; the visible stars; the birth and death of stars; telescopes, big and small; the milky way; the universe of galaxies.</p>	<p>PHYS325 Electromagnetism Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: PHYS225 or PHYS230 Co-requisites: None Subject Description: Starting with the Maxwell field equations, the course examines the properties of electromagnetic waves in free space, non-conducting and conducting materials, waveguides and plasmas. Reflection and refraction, particularly total internal reflection, are covered in detail. The generation of electromagnetic waves by accelerating charge is treated via the Lienard - Wiechert potentials and Feynman's equation. Revision of charge continuity, Maxwell's equations, boundary conditions. EM waves in free space and materials. Reflection and refraction, Snell's law and the Fresnel equations, total internal reflection and evanescent waves. Waveguides, TE and TM modes, cut off frequency. Generation of EM waves, Lienard-Wiechert potentials, Feynman equation and its application to simple systems: far-field dipole and synchrotron radiation fields.</p>
Education		<p>PHYS335 Classical Mechanics Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: PHYS235 Co-requisites: None Subject Description: Content: Vectors and matrices; the special theory of relativity; motion in a non-inertial frame; dynamics of rigid bodies; Euler's Angles; Euler's Equations and applications; small oscillations; normal modes; Lagrange's equations of motion; Hamiltonian dynamics.</p>
Engineering		<p>PHYS356 Physics of Detectors and Imaging Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: PHYS452 Medical Imaging Subject Description: This course leads to an understanding of the instrumentation and techniques involved in imaging and their role in medical physics specifically and in physics. The photographic process, solid state detectors and CCD's, characterisation of detectors, signal to noise sensitivity, Calibration of 2-D detectors eg. response curves, flat fields and reduction techniques, the hardware and software of image digitisation, film digitisers, plate scanners and A/D converters, image processing techniques: spatial filters, histogram engancement,</p>
Health & Behavioural Sciences		
Informatics		
Law	<p>PHYS305 Quantum Mechanics Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: PHYS205 or PHYS230 Co-requisites: None Subject Description: The course is an introduction to the wave mechanical theory of quantum mechanics and some applications to simple systems. Probability, the Wave Function, Schrodinger's equation in one dimension, normalisation, expectation values, operators. The time-independent Schrodinger equation, application to various potential functions, tunnelling. QM in three dimensions,</p>	
Science		

fourier and other transforms, examples of imaging technologies e.g. side looking radar, confocal microscopy, radiography and CT scanning, ultrasonics, sonar, NMR.

PHYS363 Advanced Photonics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS263 Photonics and Communication and 1 subject of 200-level Mathematics or PHYS215

Co-requisites: None

Subject Description: Content: Optical Design and Fabrication, Light Sources and Lasers, Photonic Materials, Quantum optics and Nanostructures, Opto-mechanical and Electro-optical Devices, Materials Diagnostics, Advanced Metrology

PHYS365 Detection of Radiation: Neutrons, Electrons and X Rays

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS205 or PHYS230 or PHYS255

Co-requisites: None

Subject Description: Cylindrical and parallel plate ionisation chambers and their optimised design. Absolute dose calibration protocols and the relative dose concept. Semiconductor detectors and their response to radiation. Thermoluminescent dosimeters - their properties, types and advantages. Film dosimetry - the principles of radiation film exposure and non-linearity of film response, EPR dosimetry and chemical dosimetry.

PHYS366 Physics of Radiotherapy

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject is intended to lead to an understanding of the techniques involved in diagnostic and therapeutic uses of radioactive isotopes in medicine. Topics covered will include: A review of homeostasis and cellular functions, epidemiology of disease; abnormal cell growth; benign and malignant tumours; cell kill; introduction to particle accelerators; medical linear accelerators; the interaction properties of X-rays and electrons; clinical radiotherapy, linear accelerator x-ray and electron beam properties; the radiotherapy computer planning process, x-ray modelling methods and brachytherapy and radiosurgery.

PHYS375 Nuclear Physics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS205

Co-requisites: None

Subject Description: Topics presented will be selected from: 1.nuclear characteristics: radius, charge, mass, composition, energy levels, angular momentum, 2.nuclear models: liquid drop, semi-empirical and shell models 3.nuclear interactions and the compound nucleus 4.radioactive decay including alpha, beta and gamma emission 5.fission and chain reactions 6.fission reactors and radioactive waste 7.nuclear fusion and stellar nuclear processes 8.particle accelerators 9.elementary particles: protons to quarks

PHYS376 Nuclear Fuels Cycle

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS205

Co-requisites: PHYS305 and PHYS375

Subject Description: The subject will be developed around powerpoint lectures, presentations and discussions dealing with the main topics. Practical work will be undertaken in the 300-level Physics Teaching Laboratories, ANSTO. Review of nuclear decay, activation cross-sections, binding energies and fission processes; The fuel cycle-overview; Uranium mining and refining; Separation processes - laser, centrifuge, atomic beam, diffusion; Fuel rod design and assembly; Fission reactor design-theory; Fission reactors in practice - heat exchange, moderation, control rods etc; Fusion reactors-theory; Nuclear power generation(Carnot cycle etc) thermal pollution; other uses for nuclear reactors; Nuclear waste - low level, mid level and high level disposal; Contamination by airborne and water born radioactive isotopes; Radiation monitoring and OH&S with application to mining, reactors and disposal of radioactive isotopes.

PHYS385 Statistical Mechanics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS205 or PHYS230

Co-requisites: None

Subject Description: Content: Review of thermodynamics, quantum statistical mechanics; sharply peaked distributions, ensembles; entropy and temperature; the chemical potential; Gibbs and Boltzmann factors - partition functions; fluctuations; pressure and thermodynamic identity; Boltzmann definition of entropy; identical particles - fermion and boson distribution functions; applications to electrons in metals; blackbody radiation and Debye theory of vibrations in solids; classical limit of the quantum distribution functions; monatomic ideal gas; Maxwell-Boltzmann velocity distribution; kinetic theory; transport processes.

PHYS390 Astrophysics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS205

Co-requisites: None

Subject Description: Two strands will be presented on alternate years 1. Observational Astrophysics- Modern observational astrophysics involves observing across a wide range of wavebands from the X-ray and Gamma Rays through visible light and into the infrared and radio. To do this requires a broad understanding of optics, detector physics, astronomical database and analysis software. 2. Theoretical Astrophysics- Key topics will be selected from: Cloud collapse, Star formation and radiative transfer, Main sequence stellar models, Stellar evolution, Galaxy evolution, Cosmology

PHYS396 Electronic Materials

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: PHYS205

Co-requisites: None

Subject Description: The nature of electronic materials. Electrons in solids, band theory: insulators, conductors, semiconductors and superconductors.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	The free and nearly free electron theories. Electrical conductivity, Hall effect. Types of magnetic materials. Semiconductors – intrinsic, extrinsic, the hole, the p-n junction. Superconductors – phenomena, BCS theory. Production of semiconductors and superconductors, control of processing to achieve desired properties. Design and production of novel materials to achieve improved performance in electronic devices; modern applications.
Commerce	PHYS401 Theoretical Mechanics & Electromagnetism Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: The main programs in physics at 400-level are directed toward the Honours BSc qualification and BMedPhys. Full time Honours BSc students will normally enrol in PHYS405. Honours BMedPhys students will enrol in the Bachelor of Medical Physics program. Co-requisites: None Subject Description: Theoretical mechanics: holonomic constraints, d'Alembert's principle and Lagrange's equations; generalised potentials; variational approach and Hamilton's principle; symmetry and conservation laws; central force problem; Hamiltonian formulation of mechanics; principle of least action; canonical transformations; Poisson brackets; canonical invariants; Liouville's theorem; Hamilton-Jacobi theory; action-angle variables; classical field theory; Noether's theorem. Electromagnetism: Poisson and Laplace's equations; Green's theorem; uniqueness of solution in electrostatics; Green's functions; method of images; separation of variables and orthogonal expansions for boundary value problems; multipoles; dielectrics; magnetostatics; time-dependent fields; gauge transformations; time-dependent Green's function; Poynting vector; Maxwell stress tensor; plane electromagnetic waves in media and at dielectric interfaces; frequency dependence of dielectric response; Kramer-Kronig relations; waveguides; radiating systems and diffraction.
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	PHYS405 Honours in Physics Annual Wollongong On Campus Credit Points: 48 Pre-requisites: Completion of a 144 cp BSc degree which includes PHYS305, PHYS325, PHYS335, PHYS375, PHYS385, PHYS390 and PHYS396 (or equivalent). These subjects are to be passed at the level of credit or better. Co-requisites: None Subject Description: Includes: Honours Project, Coursework Program, Electromagnetism, Quantum Mechanics, Astrophysics, Solid State Physics.
Informatics	
Law	PHYS441 Advanced Astrophysics Spring Wollongong On Campus Credit Points: 4 Pre-requisites: The main programs in physics at 400-level are directed toward the Honours BSc qualification and BMedPhys. Full time Honours BSc students will normally enrol in PHYS405. Honours BMedPhys students will enrol in the Bachelor of Medical Physics program. Co-requisites: None Subject Description: This subject consists of the lecture content of Astrophysics sections of PHYS405 Honours in Physics.
Science	

PHYS444 Quantum Mechanics Annual Wollongong On Campus Credit Points: 8 Pre-requisites: The main programs in physics at 400-level are directed toward the Honours BSc qualification and BMedPhys. Full time Honours BSc students will normally enrol in PHYS405. Honours BMedPhys students will enrol in the Bachelor of Medical Physics program. Co-requisites: None Subject Description: This subject consists of the lecture content of Quantum Mechanics section of PHYS405.

PHYS446 Solid State Physics Annual Wollongong On Campus Credit Points: 8 Pre-requisites: The main programs in physics at 400-level are directed toward the Honours BSc qualification and BMedPhys. Full time Honours BSc students will normally enrol in PHYS405. Honours BMedPhys students will enrol in the Bachelor of Medical Physics program. Co-requisites: None Subject Description: This subject consists of the lecture content of the Solid State Physics section of PHYS405.

PHYS451 Nuclear Medicine Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 24 cp of third year subjects from the BMedical Physics program including PHYS375 and PHYS255 Co-requisites: None Subject Description: Content: Evolution and basic physics of radionuclide imaging. Tracer principle in Nuclear Medicine. Radioactive agents or diagnostic studies. Therapeutic radioactive agents. Physiology of body organs. Diagnosis of body organ damage – single photon emitters, positron emitters. Technetium generating, instrumentation. Quantification of the radionuclide image. Role of the computer, quality control of Nuclear Medicine studies. Therapeutic Nuclear Medicine, dosimetry principles, waste disposal. I-131, Radiation safety for patients and personnel. Paediatric considerations.
--

PHYS452 Medical Imaging Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 24 cp of third year subjects from the BMedical Physics program including PHYS375. Co-requisites: None Subject Description: Sources of diagnostic X - rays, computer tomography, instrumental set up, image definition, back projection, signal to noise, CT numbers, contrast, CT and radiotherapy. Nuclear magnetic resonances, Larmor frequency, basic imaging, slice selection, phase and frequency encoding, spin echoes, TE and TR relaxation times, mechanisms of contrast in MRI, multiecho imaging, multi slice imaging, fast imaging, flow imaging, MR angiography, 3D data acquisition, chemical shift imaging, contrast agents, image artifacts and distortion, localised spectroscopy, set up of a clinical MR scanner, safety aspects.
--

PHYS453 Radiobiology and Radiation Protection Spring Wollongong On Campus Credit Points: 8
--

Pre-requisites: 24 cp of third year subjects from the BMedical Physics program including PHYS375.

Co-requisites: None

Subject Description: Interaction of radiation with matter, molecular effects of radiation, cell kill, repair of injury, assays of cell survival, the effect of oxygen, effect of chemical and biological modifiers, cell kinetics, tumour cell kill, early and late responding normal tissues, radio biological models, four Rs of radiobiology, time as an important factor, clinical impact in radiotherapy, protons, neutrons and pions. The natural background of radiation, man made sources of radiation, genetic and somatic risks, risks of low dose exposure, quality factor, ‘critical organs’, concepts of radiation protection, ALARA limit values, open and closed sources of radiation, incorporation and bio kinetics of radionuclides, external sources of radiation, pregnancy and radiation, the role of the ICRP, legal aspects.

PHYS456 Imaging Physics

Annual Wollongong On Campus

Credit Points: 8

Pre-requisites: 24 cp in 300-level Physics subjects.

Co-requisites: None

Subject Description: This course leads to an understanding of the instrumentation and techniques involved in imaging and its role in medical physics specifically and in physics generally. The photographic process, solid state detectors and CCD's. Characterisation of detectors; signal to noise, sensitivity, calibration, flat fields and reduction techniques. The hardware and software of image processing; film digitisers and plate scanners. An overview of Medical Imaging Techniques; Radiography, Ultrasonics, NMR.

PHYS457 Research Project

Spring2007/Autumn2008 Wollongong On Campus

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: 24 cp of third year subjects from the BMedical Physics or BSc (Physics).

Co-requisites: 24 cp of fourth year subjects from the BMedical Physics or BSc (Honours).

Subject Description: Content: The student will be required to participate in a research program on some topic of physics under the supervision of one of the staff member. The student will have a choice of the following fields: Nuclear Medicine, Medical Imaging, Radiobiology, Radiation Protection, Diagnostic Radiology, Pathology and Imaging Physics, Astronomy, Solid State Physics. All the above research topics may not be available very year.

SCIE101 Modern Perspectives in Science

Spring Wollongong Flexible

Spring Loftus Flexible

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with SCIE102 or PHYS295

Subject Description: This subject aims to address some of the major topical issues in modern science and their impact on our society as well as demonstrating the value of a cross-disciplinary approach to problem solving. The content is presented in four modules from Physics, Chemistry, Biology and Earth and Environmental Sciences. The topics are: Planetology, Smart Chemistry, Genetic

Engineering, and How long? How hot?. Each of the four modules provides examples of areas of science that are currently of widespread interest or importance. The way in which science has been used to solve technological and human problems will be illustrated in each module. The fourth module includes a section on global warming. To demonstrate the need for a collaborative approach when solving major issues, the same problem will be studied from the viewpoint of different disciplines. These modules are examples of current research topics and modules may be interchanged to reflect contemporary topics.

STAT131 Understanding Variation and Uncertainty

Autumn Wollongong On Campus

Spring Wollongong On Campus

Autumn Loftus On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Variation and uncertainty occur in most aspects of life. Topics covered include Displaying variation and summarising data; Statistical computing and report writing; Probability Models: Markov Chains, binomial, Poisson; Modelling Uncertainty: Normal and other continuous distributions; Sampling Distributions - Central Limit Theorem; Inference - Point and Interval Estimation, Hypothesis Testing.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Faculty of Health & Behavioural Sciences

Member Units

School of Health Sciences
School of Nursing, Midwifery and Indigenous Health
School of Psychology
Graduate School of Medicine

Degrees Offered

Single Degrees

Bachelor of Arts
Bachelor of Exercise Science & Rehabilitation
Bachelor of Health Science in Indigenous Health Studies
Bachelor of Health Sciences
Bachelor of Nutrition and Dietetics
Bachelor of Medical Science
Bachelor of Medicine and Bachelor of Surgery
Bachelor of Nursing
Bachelor of Nursing Conversion
Bachelor of Psychology
Bachelor of Science

Double Degrees

Bachelor of Medical Science – Bachelor of Commerce
Bachelor of Psychology – Bachelor of Commerce
Bachelor of Science (Exercise Science) – Bachelor of Commerce
Bachelor of Science (Nutrition) – Bachelor of Commerce
Bachelor of Science (Psychology) – Bachelor of Commerce
Bachelor of Science – Bachelor of Laws (Health and Behavioural Sciences Major)
Bachelor of Medical Science – Bachelor of Laws

Degrees with TAFE NSW

Bachelor of Health Science in Indigenous Health Studies
(includes TAFE Advanced Diploma in Aboriginal and Torres Strait Islander Health)
Bachelor of Medical Science / TAFE Diploma of Laboratory Techniques (Pathology Testing)
Bachelor of Nutrition and Dietetics / TAFE Certificate IV in Hospitality (Catering Operations)
Bachelor of Science (Nutrition) / TAFE Certificate IV in Hospitality (Catering Operations)

For tuition fee information please see the following:

Domestic – www.uow.edu.au/student/finances/studentcontributions.html

International – www.uow.edu.au/prospective/international/fees/

This publication contains information which is current at December 2007. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Arts

Testamur Title of Degree:	Bachelor of Arts
Abbreviation:	BA
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Normally Autumn session
Location:	Wollongong
UOW Course Code:	708
UAC Code:	See information under each major
CRICOS Code:	012087M

Overview

Students enrol in the Bachelor of Arts in the Faculty of Health and Behavioural Sciences (Course Code 708) who wish to undertake a major or double major in either Population Health and/or Psychology. Students who choose the Bachelor of Arts would normally choose elective subjects outside their major from the humanities and social sciences. Students also may choose a second major from outside the Faculty.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5, with a level of 6.0 in reading, writing, speaking and listening. Alternative pathways exist for mature age domestic students.

Course Requirements

The Bachelor of Arts (Course Code 708) is comprised of 144 credit points of subjects listed in the subject schedule for a major in the Faculty of Health and Behavioural Sciences, plus additional elective subjects chosen from Health and Behavioural Sciences, Arts, or the General Schedule. Subjects to a value of at least 90, credit points of subjects must be selected from the Health and Behavioural Sciences or the Arts schedules. Students may undertake no more than 60 credit points of 100-level subjects. Students should refer to the Award Rules for the Bachelor of Arts (Course Code 708) for further details.

Major Study Areas

- Population Health
- Psychology
- Population Health and Indigenous Health
- Population Health and Marketing
- Population Health and Psychology

Population Health (UAC Code 757649)

The Bachelor of Arts (Population Health) aims to train students in skills to obtain, review and analyse health information, to plan and manage a health project and to improve the health of populations. The program is designed to do two main things. Firstly, students will learn the basics of the health sector and develop an understanding of the problems involving health, illness, treatment and welfare. Secondly, useful skills are developed that can be used in a variety of jobs, such as analysing information, researching with people, developing policy, project management and writing for a range of purposes, including report writing and writing for the media. This means that when you graduate, there are many possibilities with regard to jobs, especially if you take population health in conjunction with another specialty area, such as psychology, economics or politics.

Major Study

The Population Health major consists of 88 credit points of subjects, as outlined in the course structure below, together with other subjects which may be selected from the Health & Behavioural Sciences, Arts or General Schedules, to make up the 144 credit points required for the degree.

Honours

The degree of Bachelor of Arts (Honours) in the School of Health Sciences is designed to provide supervised training in independent research. Candidates can be admitted with a Bachelor degree in a relevant discipline with research skill subjects and a credit average depending on the availability of supervision. The program will consist of 48 credit points of research leading to the submission of a thesis. Research should be in an area of research expertise of a member of the School of Health Sciences. Potential candidates should discuss their research interest with the coordinator of the program, and present a research project title and general outline.

Once the supervisor has been approved the candidate will undertake an approved course program recommended by the School Head. The student is also required to pass an examination of the detailed research proposal, before about one third of the research time has passed. The total duration of the honours year is no less than one year full-time and no more than 1.5 years full-time. Requirements are specified in the Honours Bachelor Degree Rules.

Course Program

Subjects		Session	Credit Points
100 Level			
BMS103	Human Growth Nutrition and Exercise	Autumn	6
POP101	Population Health – current health issues and their determinants	Autumn	6
STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
And either			
ABST150	Introduction to Aboriginal Australia	Autumn/Spring	6
Or			
POP103	Introduction to Health Behaviour Change	Spring	6
200 Level			
POP201	Contemporary Population Health Issues	Autumn	6
POP202	Promoting Healthy Lifestyles	Autumn	6
POP203	Health Policy	Spring	6
POP204	Epidemiology	Spring	6
300 Level			
POP301	Project and Program Design, Management and Evaluation	Autumn	8
POP302	Analysis and Interpretation of Evidence	Autumn	8
POP331*	Population Health Project A	Spring	24
* Students taking a joint major with another specialisation should take POP332 Population Health Project B, 8 credit points.			
Note – Students can include additional subjects in Population Health in their degree, including:			
POP102	Sex, Drugs and Rock 'n' Roll: public health perspectives	n/o 2007	6
POP220	Mass Media and Population Health	n/o 2007	6
POP222	Current Issues in food and nutrition	Spring	6
BMS310	Community and Public Health Nutrition	Autumn	8
POP325	Aboriginal Health Issues	Spring	8

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Arts Schedules. Subjects to the value of 144 credit points are required for the degree.

Population Health and Indigenous Health (UAC Code 757649)

Students must complete at least 72 credit points in the Population Health major and at least 72 credit points in the Indigenous Health major for a total of at least 144 credit points.

This double major in Population Health and Indigenous Health provides an opportunity for students undertaking the Population Health major to complete a second major in Indigenous Health. An in-depth understanding of Indigenous Health issues and the development of public health programs that are appropriate for indigenous Australians is important for those working in public health generally. The health of Aboriginal people is a major challenge for public health in Australia. The Population Health program offers Indigenous Health program students with an interest in working in the Aboriginal community additional skills in epidemiology, evidence-based approaches, project managements, and health promotion.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Entry Requirements / Assumed Knowledge Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.			
Commerce	Course Program 100 level POP101 Population Health – Current Health Issues & and Their Determinants Autumn 6 BMS103 Human Growth Nutrition and Exercise Autumn 6 STAT151 Introduction to the concepts & practice of statistics Spring 6 POP103 Introduction to Health Behaviour Change Spring 6 ABST150 Introduction to Aboriginal Australia (or Spring for students undertaking EDUF111) Autumn 6 NURS162 Effective Communication in Health Care Relationships Autumn 6 Plus 12 credit points of elective subjects chosen with advice of Indigenous Health coordinator. Students considering Grad Dip Education should complete:- EDUF111 Education I Autumn 6 EDUF212 Education II Spring 6			
Creative Arts				
Education	200 level POP201 Contemporary Population Health Problems Autumn 6 POP202 Promoting Healthy Lifestyles Autumn 6 POP203 Health Policy and Service Structure Spring 6 POP204 Epidemiology Spring 6 ABST200 Aboriginal History Since Invasion Autumn 8 And either NURS242 Functional Community Structures Autumn 6 Or NURS240 Current Services in Aboriginal Health Autumn 6 Plus ARTS211 Social Science Perspectives on Health and Illness Spring 6 NURS243 Comparative Indigenous Health Issues Spring 6			
Engineering				
Health & Behavioural Sciences	300 level POP301 Project and program design, management and evaluation Autumn 8 POP302 Analysis and interpretation of evidence Autumn 8 POP332 Population health project B Spring 8 NURS341 Research in Indigenous Health Autumn 6 POP325 Indigenous Health Issues Spring 8 ABST300 Indigenous Theories of De-colonisation Spring 8 Plus one of the following subjects:- NURS327 Health and Human Ecology Spring 6 NURS343 Community Health Development: Theory, Research and Practice Spring 6			
Law				
Science	Population Health and Marketing (UAC Code 757649) The double major requires 66 credit points in the Population Health major and 48 credit points in the Marketing major (plus prerequisite subjects totalling 12 credit points), with an additional 18 credit points of elective subjects to total 144 credit points for the degree.			

This double major meets the needs of these students who are interested in working in health promotion with an emphasis on health communication, as well as the development, promotion, management and evaluation of community-based health programs. It may also interest students interested in following a career in health services marketing in the private and public sphere.

The double major is also a first degree for students interested in pursuing Honours and postgraduate research studies in these areas.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved and IELTS score of 6.5 with at least 6.0 in reading, writing, Listening and speaking

Alternative pathways exist for mature age domestic students.

Course Program

100 level

POP101	Population Health – Current Health Issues & and Their Determinants	Autumn	6
BMS103	Human Growth Nutrition and Exercise	Autumn	6
POP103	Introduction to Health Behaviour Change	Spring	6
MARK101	Marketing Principles	Autumn	6
COMM121	Quantitative Methods I	Spring	6

Plus elective subjects to the value of 18 credit points, 6 credit points in Autumn Session and 12 credit points in Spring Session.

200 level

POP201	Contemporary Population Health Problems	Autumn	6
POP202	Promoting Healthy Lifestyles	Autumn	6
POP203	Health Policy and Service Structure	Spring	6
POP204	Epidemiology	Spring	6
MARK201	Applied Marketing Research A	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK202	Applied Marketing Research B	Spring	6
MARK270	Services Marketing	Spring	6

300 level

POP301	Project and program design, management and evaluation	Autumn	8
POP302	Analysis and interpretation of evidence	Autumn	8
POP332	Population health project B	Spring	8
MARK333	Marketing Communications	Autumn	6
MARK320	Social Marketing	Autumn	6
MARK301	Internet Applications for Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6

Population Health and Psychology

The double major in Population Health and Psychology consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Psychology at the end of the double major degree, additional subjects are required. Students should consult the information on Honours in the entry for the Psychology major.

The double major in Population Health and Psychology enables students to pursue two options for their career or further study. Students may progress to advanced level study such as honours or postgraduate courses in either field. In addition, the combination of majors will enable graduates to apply for jobs in specialist areas of population health, such as lifestyle counselling or conducting lifestyle management programs.

Course Program

Subjects	Session	Credit Points
100 Level		

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	ABST150	Introduction to Aboriginal Australia	Autumn	6
	BMS103	Human Growth, Nutrition and Exercise	Autumn	6
	POP103	Introduction to Health Behaviour Change	Spring	6
	PSYC121	Foundations of Psychology A	Autumn	6
	POP101	Population Health – current health issues and their determinants	Autumn	6
Commerce	PSYC122	Foundations of Psychology B	Spring	6
	PSYC123	Theory, Design and Statistics in Psychology	Spring	6
	And one elective			6
	200 Level			
	POP201	Contemporary Population Health Issues	Autumn	6
Creative Arts	PSYC231	Personality	Autumn	6
	PSYC234	Biological Psychology and Learning	Autumn	6
	PSYC250	Quantitative Methods	Autumn	6
	POP203	Health Policy	Spring	6
	POP204	Epidemiology	Spring	6
Education	PSYC236	Cognition and Perception	Spring	6
	PSYC241	Developmental and Social Psychology	Spring	6
	Note: Psychology Honours also requires that PSYC249 Applied Psychology I be taken.			
	300 Level			
	POP301	Project and Program Design, Management and Evaluation	Autumn	8
Engineering	POP302	Analysis and Interpretation of evidence	Autumn	8
	POP332	Population Health Project B	Spring	8
	PSYC347	Assessment and Intervention	Autumn	8
	And two electives, of which there must be one of the following:			
	PSYC345	Memory and Language	Autumn	8
Health & Behavioural Sciences	PSYC349	Visual Perception	Spring	8
	PSYC352	Psychophysiology	Spring	8
	And may include			
	PSYC315	Psychology of Abnormality	Spring	8
	PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8
Informatics	PSYC318	Change Throughout the Life Span	Spring	8
	PSYC348	History and Metatheory of Psychology	Autumn	8
	Note: Students wishing to take Psychology Honours should consult the information on Honours listed under the single Major, Psychology, to ensure they complete the required subjects.			
	Psychology (UAC Code 753122)			
	Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.			
Law	Entry Requirements / Assumed Knowledge			
	Domestic school leavers are assumed to have completed any two units of English. International students are required to have an IELTS score of 6.5 with a level of 6.0 in reading, writing, speaking and listening. Alternative pathways exist for mature age domestic students.			
	Major Study			
	For the major in Psychology, students complete 72 credit points of subjects, as outlined in the schedule below. If students wish to proceed to Honours in Psychology, additional requirements must be met as noted in the Honours information below.			
Science				

Honours

Honours in Psychology is a fourth year of study accredited by the Australian Psychological Society (APS). It is offered on a one year full-time or two year part-time basis. Psychology Honours is a route to the postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a psychologist with the Psychologist's Registration Board of New South Wales, a post-degree supervision period also being required.

Graduates of the University of Wollongong with a major in Psychology are eligible to apply for admission to Psychology Honours provided that: they have completed an undergraduate degree curriculum with a major in psychology; they have completed PSYC249 Applied Psychology, PSYC348 History and Metatheory of Psychology and PSYC354 Design and Analysis (and thus any 200- level prerequisites for PSYC354); they have completed at least 76 credit points of Psychology subjects at 200- and 300- levels; they have at least a credit average for Psychology subjects at 200- and 300- levels.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists' Registration Board of NSW it is necessary to complete an accredited 4 year course of study plus 2 years' supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

(For Single Major)

Subjects	Session	Credit Points
PSYC121 Foundations in Psychology A	Autumn	6
PSYC122 Foundations in Psychology B	Spring	6
PSYC123 Theory, Design and Statistics in Psychology	Spring	6
PSYC231 Personality	Autumn	6
PSYC241 Developmental and Social Psychology	Spring	6
PSYC234 Biological Psychology and Learning	Autumn	6
PSYC236 Cognition and Perception	Spring	6
PSYC250 Quantitative Methods	Autumn	6
		8
PSYC347 Assessment and Intervention	Autumn	8
And two electives, of which there must be at least one of the following:		
PSYC345 Memory and Language	Autumn	8
PSYC349 Visual Perception	Spring	8
PSYC352 Psychophysiology	Spring	8
And at least one of the following:		
PSYC315 Psychology of Abnormality	Spring	8
PSYC350 Social Behaviour and Individual Differences	Not offered in 2007	8
PSYC318 Change Throughout the Lifespan	Spring	8
PSYC348 History and Metatheory of Psychology	Autumn	8
PSYC354 Design and Analysis	Spring	8
Note: Psychology Honours also requires the following:		
PSYC249 Applied Psychology	Spring	6

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Arts Schedules. Subjects to the value of 144 credit points are required for the degree.

In addition, further credit points across 100-, 200- and 300- levels must be taken from Health and Behavioural Sciences and the General Schedules. Students may include PSYC101 Introduction to Behavioural Sciences as an elective.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Exercise Science and Rehabilitation

Testamur Title of Degree:	Bachelor of Exercise Science and Rehabilitation
Abbreviation:	BExScRehab
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	192 cp
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	851A
UAC Code:	757643
CRICOS Code:	016112E

Overview

The Bachelor of Exercise Science and Rehabilitation emphasises professional development and is designed to provide students with opportunities to gain clinical skills through work experience within the department's Exercise Science and Rehabilitation Centre, and other clinical application placement programs operating within the community. Graduates are trained to utilise exercise as an intervention to maintain and improve health and fitness, and rehabilitate after injury or disease.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5, with a minimum level of 6 in reading, writing, speaking and listening.

NSW Health Employment Requirements: The NSW Health Department requires all staff and students undertaking clinical placements in positions dealing with children and patients vulnerable by reason of health status, to undergo a criminal record and vaccination record status check before employment or placement in any capacity in the NSW health system. For further information, refer to the Additional Information section at the end of this chapter.

Advanced Standing

Undergraduate students wishing to transfer into the Bachelor of Exercise Science and Rehabilitation degree may apply upon completion of the first two years of the BSc (Exercise Science) or BSc (Exercise Science and Nutrition) degrees (or other approved degree programs). Selection is based on University results over that time.

Course Requirements

The Bachelor of Exercise Science & Rehabilitation degree is comprised of 178 credit points of core subjects, with the balance (at least 14 credit points) to be taken as elective subjects from the Health and Behavioural Sciences or Science Schedules. Further, at least 88 credit points will be at 300 and/or 400-level, including at least 40 credit points at the 400-level.

Students will need to achieve a minimum of credit average across the full two years of their program to be permitted to continue into the third and fourth years of this degree. Students failing to achieve this grade will be transferred to the BSc (Exercise Science) degree program.

Course Program

Subjects	Session	Credit Points
Year 1		
BMS101 Systemic Anatomy	Autumn	6
BMS103 Human Growth, Nutrition and Exercise	Autumn	6
CHEM101 Chemistry 1A	Autumn	6
PSYC101 Introduction to Behavioural Science	Autumn	6
BMS112 Human Physiology: Principles and Systems	Spring	6
BIOL103 Molecules, Cells and Organisms	Spring	6
CHEM102 Chemistry 1B	Spring	6

STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BMS204	Introduction to Pathophysiology	Spring	6
BMS242	Exercise Physiology	Spring	6
	Plus a further 6 cp from:		
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
MGMT102	Business Communications	Spring	6
POP101	Population Health – Current Health Issues and Their Determinants	Autumn	6
POP203	Health Policy	Spring	6
POP204	Epidemiology	Spring	6
Year 3			
BMS342	Advanced Exercise Physiology	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BMS346	Motor Control and Dysfunction	Spring	8
BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
	Plus a further subject from:		
BMS341	Clinical Biomechanics	Spring	8
	Or other approved subject		
Year 4			
BEXS411	Practicum in Exercise Science A	Autumn	8
BEXS451	Exercise Rehabilitation 1: Musculoskeletal	Autumn	8
BEXS452	Exercise Rehabilitation 2: Cardiorespiratory and Neurological	Autumn	8
BMS303	Research Topics in Exercise Science	Spring	8
BEXS402	Exercise for Special Populations	Spring	8
BEXS412	Practicum in Exercise Science B	Spring	8

Honours

Students should refer to the Department for information about Honours.

Professional Recognition

Graduates may become members of the Australian Association for Exercise and Sport Science and achieve professional accreditation with further work experience.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Health Science in Indigenous Health Studies

Testamur Title of Degree:	Bachelor of Health Science in Indigenous Health Studies
Abbreviation:	BHlthScInd
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years or part-time equivalent
Total Credit Points:	144 cp
Delivery Mode:	Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	786A
UAC Code:	756632
CRICOS Code:	058670E

Overview

The Bachelor of Health Science in Indigenous Health Studies is a flexibly delivered degree offered in partnership with the Illawarra Institute of Technology (TAFE NSW) Shellharbour campus. The course can also be done entirely through the University. The degree provides students with the knowledge and skills to effectively address Indigenous health issues.

Areas covered include: community health, community development and cultural issues. This course also complements study in related areas, for example Aboriginal Studies, Population Health, Psychology and Sociology.

Entry Requirements / Assumed Knowledge

Domestic school leavers are recommended to have completed 2 units of Aboriginal Studies at HSC level. Alternative pathways exist for mature age domestic students. Even if you have not completed the current NSW HSC (or equivalent) in full, or you did not receive the required entry mark, you may still qualify for admission.

Course Requirements

During the program students who complete the Advanced Diploma in Aboriginal and Torres Strait Islander Health offered by TAFE NSW, receive 72 credit points' of advanced standing towards the degree. This is followed by 1.5 years full-time study (or part-time equivalent) in the Indigenous Health program at the University to complete a further 72 credit points of approved subjects. These may include complementary subjects from population health, Aboriginal studies and nursing.

This is a fully articulated multidisciplinary program with multiple entry and exit points, and Recognised Prior Learning criteria. A significant placement component is included to provide practical, as well as theoretical knowledge and skills in Indigenous culture, health and community development.

The TAFE component of the course is offered in flexible delivery mode. Students completing the course will be concurrently enrolled at both the University of Wollongong and the Illawarra Institute of Technology. Students should be aware that the TAFE component of the program begins in February, earlier than normal session start.

Students should seek advice from an academic adviser at the University or at TAFE before enrolling in this program. Students wishing to undertake part-time study in the TAFE component must discuss this with the TAFE coordinator:

Ms Sandra Bolack

Head Teacher, Nursing Unit

The Illawarra Institute of Technology (TAFE NSW)

Shellharbour Campus

Phone: 4295 2289 / Fax: 4295 2114

Email: Sandra.bolack@det.nsw.edu.au

or

Faye McMillan

Lecturer, Indigenous Health program, School of Nursing, Midwifery and Indigenous Health, University of Wollongong
+61 2 4221 3453 or fayemc@uow.edu.au

Course Program

TAFE Advanced Diploma in Aboriginal and Torres Strait Islander Health

Subjects		Session	Credit Points
NURS162	Effective Communication in Health Care Relationships	Autumn	6
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
NURS240	Current Services in Aboriginal Health	Spring	6
NURS242	Functional Community Structures	Not Available in 2007	6
NURS243	Comparative Indigenous Health Issues	Spring	6
NURS327	Health and Human Ecology	Spring	6
NURS341	Research in Indigenous Health	Autumn	6
NURS343	Indigenous Community Development: Theory and Practice	Not Available in 2007	6
NURS344	Community Health: Theory, Research and Practice	Spring	6
Plus at least 12 credit points to be selected from:			
ABST150	Introduction to Aboriginal Australia	Autumn/ Spring	6
ABST200	Aboriginal History Since Invasion	Autumn	8
ABST300	Indigenous Theories of De-Colonisation	Spring	8
With other subjects approved by the Head of Department.			

Professional Recognition

Completion of the TAFE Advanced Diploma is linked to the Aboriginal Health Worker Award.

Bachelor of Health Science

Testamur Title of Degree:	Bachelor of Health Sciences
Abbreviation:	BHS
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time or equivalent
Total Credit Points:	144
Delivery Mode:	On campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	786
UAC Code:	757639
CRICOS Code:	058670E

Overview

The Bachelor of Health Sciences has a clear focus on the preparation of students for postgraduate studies in health related areas or graduate entry studies in medicine. The five areas of specialisation within the degree will allow students to pursue individual interests.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are expected to have completed any two units of English, plus four units of Science and/or Maths.

International students are required to have achieved an IELTS score of 6.5, and at least a level of 6 in all bands.

Course Requirements

The Bachelor of Health Sciences is comprised of 102 credit points of core subjects, with 42 credit points to be made up of subjects chosen from one of the Specialisation Subject Clusters. Students must complete at least 4 subjects from one of the Specialisation Subject Clusters with at least 2 of those subjects taken at 300 level.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Course Program

Course Program				
Arts	Subjects		Session	Credit Points
Commerce	Year 1			
	PHYS155	Biomedical Physics	Autumn	6
	NURS162	Effective Communication in Health Care Relationships	Autumn	6
	CHEM101	Chemistry IA	Autumn	6
	And either			
Creative Arts	BMS 103	Foundations of Human Growth Nutrition and Exercise	Autumn	6
	Or			
	PSYC101	Introduction to Behavioural Science	Autumn	6
	or			
	100 level prerequisite subject required by specialisation subject cluster			
Education	BIOL103	Molecules, Cells and Organisms	Spring	6
	CHEM102	Chemistry IB	Spring	6
	And either			
	STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
	Or			
Engineering	PSYC123	Theory Design and Statistics in Psychology	Spring	6
	And either			
	POP 103	Introduction to Health Behaviour Change	Spring	6
	Or			
	ABST150	Introduction to Aboriginal Australia	Spring	6
Health & Behavioural Sciences	or			
	100 level prerequisite subject required by specialisation subject cluster			
	Year 2			
	BIOL213	Principles of Biochemistry	Autumn	6
	POP 201	Contemporary population health issues	Autumn	6
Informatics	ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
	And			
	Elective chosen from subjects listed in specialisation subject cluster			
	BMS 112*	Human Physiology 1: Principles and Systems	Spring	6
	POP 204	Epidemiology	Spring	6
Law	And			
	2 Electives chosen from subjects listed in specialisation subject cluster			
	Year 3			
	HSC 300	Integrated Human Issues	Autumn	8
	And either			
Science	POP 302	Evidence and Measurement in Population Health	Autumn	8
	Or			
	NURS364	Research Appreciation and Application	Autumn	8
	And			
	Elective chosen from subjects listed in specialisation subject cluster			
	PHIL380	Bioethics	Spring	8
	And			
	Two electives chosen from subjects listed in specialisation subject cluster			
	Electives are chosen from the specialisation subject clusters listed below, and will include at least 4 subjects, with at least 2 subjects at 300-Level (N.B. The choice of electives will be subject to availability of subjects at the time of enrolment).			
	1. Indigenous Culture and Health**			
	ABST150	Introduction to Aboriginal Australia		

NURS240	Current Services in Aboriginal Health
NURS243	Comparative Indigenous Health Issues
NURS343	Indigenous Community Development: Theory and Practice
NURS344	Community Health: Theory, Research & Practice
POP 325	Aboriginal Health Issues
2.	Community, Culture and Society**
2.1.	Society, Policy and Health
LAW 100	Law in Society
POP 203	Health policy
STS 223	The Politics of Medicine and Health
PHIL206	Practical Ethics
HIST342	Sickness and death: Social history and public health in Australia
ECON317	Economics of Health Care
SOC 310	Community Organisations, the Third Sector and Civil Society
POP 301	Project and program design, management and evaluation
POP 332	Population Health Project B
2.2	Community, Culture and Individuals
AUS 101	Australian Studies: Cultures and Identities
SMAC100	Thinking About Society, Technology and Culture
EESC210	Social Spaces: Rural and Urban
SOC 205	Sociology of the Family
ECON208	Gender, Work and the Family
HIST334	Regional History
SOC 310	Community Organisations, the Third Sector and Civil Society
SOC 330	Gender and Society
3.	Health Practice and the Individual**
PSYC101	Introduction to Behavioural Science
BMS 103	Human Growth, Nutrition and Exercise
NURS264	Reflection and Practice
PSYC216	Psychology of Physical Activity
POP 202	Promoting Healthy Lifestyles
POP 222	Current Issues in Food and Nutrition
BMS 210	Measurement and Assessment of Diet and Activity
NURS363	Therapeutic Use of Self
CCS 351	Signs of Communication
NURS322	Developmental Disability
BMS 310	Community and Public Health Nutrition
BMS 314	Nutrition and Food Innovation B
POP 325	Aboriginal Health Issues
4.	Human Biological Science**
4.1	Anatomy and Physiology
BMS 101	Systemic Anatomy***
BMS 112	Human Physiology: Principle and Systems***
BMS 200	Histology
BMS 202	Human Physiology II: Control Mechanisms
BMS 344	Cardio-respiratory Physiology
BMS 352	Fundamentals of Neuroscience
BMS 300	Anatomy II (Regional Anatomy)
4.2	Genetics, Molecular Biology and Pharmacology
BIOL214	The Biochemistry of Energy and Metabolism

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BIOL215 Introductory Genetics BIOL320 Molecular Cell Biology BIOL321 Infection and Immunity CHEM350 Principles of Pharmacology 5. Social Psychology** PSYC121 Foundations of Psychology A (in place of PSYC 101)**** PSYC122 Foundations of Psychology B**** PSYC123 Theory Design and Statistics in Psychology (in place of STAT 151) PSYC231 Personality PSYC241 Developmental and Social Psychology PSYC315 Psychology of Abnormality PSYC350 Social Behaviour and Individual Differences PSYC318 Change Throughout the Lifespan																						
Commerce																							
Creative Arts	<p>* ABST150 or PSYC101 or PSYC121should be chosen as an elective for students specialising in the Human Biological Science: Anatomy and Physiology cluster who completed BMS112 in first year</p> <p>** may include an alternative 6 to 8 credit point subject approved by the Head of the School</p> <p>*** BMS 101 and BMS 112 should be completed in first year for students intending to specialise in the Human Biological Science: Anatomy and Physiology Cluster</p> <p>**** PSYC 121 and PSYC 122 should be completed in first year for students intending to specialise in the Social Psychology Cluster</p>																						
Education																							
Engineering																							
Health & Behavioural Sciences	<table><tr><td>Testamur Title of Degree:</td><td>Bachelor of Medical Science</td></tr><tr><td>Abbreviation:</td><td>BMedSc</td></tr><tr><td>Home Faculty:</td><td>Health and Behavioural Sciences</td></tr><tr><td>Duration:</td><td>3 years full-time</td></tr><tr><td>Total Credit Points:</td><td>144 cp</td></tr><tr><td>Delivery Mode:</td><td>Day</td></tr><tr><td>Starting Session(s):</td><td>Autumn</td></tr><tr><td>Location:</td><td>Wollongong</td></tr><tr><td>UOW Course Code:</td><td>787</td></tr><tr><td>UAC Code:</td><td>757641</td></tr><tr><td>CRICOS Code:</td><td>036458B</td></tr></table>	Testamur Title of Degree:	Bachelor of Medical Science	Abbreviation:	BMedSc	Home Faculty:	Health and Behavioural Sciences	Duration:	3 years full-time	Total Credit Points:	144 cp	Delivery Mode:	Day	Starting Session(s):	Autumn	Location:	Wollongong	UOW Course Code:	787	UAC Code:	757641	CRICOS Code:	036458B
Testamur Title of Degree:	Bachelor of Medical Science																						
Abbreviation:	BMedSc																						
Home Faculty:	Health and Behavioural Sciences																						
Duration:	3 years full-time																						
Total Credit Points:	144 cp																						
Delivery Mode:	Day																						
Starting Session(s):	Autumn																						
Location:	Wollongong																						
UOW Course Code:	787																						
UAC Code:	757641																						
CRICOS Code:	036458B																						
Informatics	<h3>Overview</h3> <p>The Bachelor of Medical Science degree provides an excellent first degree for students wishing to enrol in post-graduate studies in medicine, teaching or research. Students receive a thorough grounding in areas such as anatomy, physiology, neuroscience, biochemistry, chemistry and biology.</p>																						
Law	<h3>Entry Requirements / Assumed Knowledge</h3> <p>Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5, with a minimum level of 6 in reading, writing, speaking and listening.</p>																						
Science	<h3>Course Requirements</h3> <p>The Bachelor of Medical Science degree requires 3 years of full-time study and satisfactory completion of 144 credit points.</p> <h3>Course Program</h3> <table><tr><th>Subjects</th><th>Session</th><th>Credit Points</th></tr></table>	Subjects	Session	Credit Points																			
Subjects	Session	Credit Points																					

Year 1			
BMS101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
MGMT110	Introduction to Management	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
BMS200	Histology	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BMS204	Introduction to Pathophysiology	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
Plus a further 6 cp from:			
BMS211	Foundations of Biomechanics	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
STS215	Globalisation: Technology, Culture and Media	Autumn	8
Or other approved subject			
Plus a further 6 cp from:			
BMS242	Exercise Physiology	Spring	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BIOL215	Introductory Genetics	Spring	6
MGMT321	Occupational Health and Safety Management	Spring	6
Or other approved subjects			
Year 3			
BMS352	Fundamentals of Neuroscience	Autumn	8
BMS300	Anatomy II Regional Anatomy	Spring	8
Plus a further 16 cp from:			
BMS302	Research Topics	Autumn/Spring	8
BMS311	Nutrients and Metabolism	Autumn	8
BMS342	Advanced Exercise Physiology	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
CHEM350	Principles of Pharmacology	Autumn	8
Or other approved subjects			
And a further 16 cp from:			
BMS302	Research Topics	Autumn/Spring	8
BMS345	Advanced Topics in Pathophysiology	Spring	8
BMS346	Motor Control and Dysfunction	Spring	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
PHIL380	Bioethics	Spring	8
Or other approved subjects			

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science

Honours

Students wishing to proceed to Honours enrol in the Bachelor of Medical Science (Honours), which is designed to provide students with skills to demonstrate excellence in research, with a clear understanding of a research question in relation to current knowledge. The degree program fosters the following abilities and skills: plan, design and perform a research project; collect and analyse data; evaluate data; synthesise results and integrate with relevant ideas and concepts; communicate results of findings; put relevant OHS principles into practice.

Entry into the Bachelor of Medical Science (Hons) requires the student to have attained at least a credit average in subjects undertaken during their undergraduate degree. The Postgraduate Coordinator and prospective supervisor will determine whether a student's 300-level subjects are appropriate for entry into the Bachelor of Science (Hons). In addition, admission will be dependent upon the availability of an appropriate supervisor, who must be identified by the applicant prior to applying for entry. Students considering enrolment in BSc(Hons) should first contact the School's Honours Coordinator.

Bachelor of Medical Science/TAFE Diploma of Laboratory Techniques (Pathology Testing)

Testamur Title of Degree:	Bachelor of Medical Science TAFE Diploma of Laboratory Techniques (Pathology Testing)
Abbreviation:	BMedSc
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	144 cp UOW; 837 hr TAFE
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	787
UAC Code:	757641
CRICOS Code:	036458B

Overview

The double award of Bachelor of Medical Science/TAFE Diploma of Laboratory Techniques (Pathology Testing), provides opportunities for improved vocational outcomes, and the development of practical skills through simultaneous enrolment in the university degree and the TAFE diploma.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5, with a level of 6 in reading, writing, speaking and listening.

Students in the Bachelor of Medical Science can elect to enter this combined program after 2 years of study.

Recommended Study: See Bachelor of Medical Science.

Course Requirements

The Bachelor of Medical Science/TAFE Diploma of Laboratory Techniques (Pathology Testing) degree requires 4 years of full-time study. Students need to complete the first two years of the Bachelor degree at the University of Wollongong. The third year will normally be undertaken at TAFE. Students will then complete the remaining subjects of the dual program in their fourth year of study at the University.

Course Program

Note: ITALIC type indicates TAFE component

Subjects	Session	Credit Points
Year 1		
BMS101 Systemic Anatomy	Autumn	6

CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
MGMT110	Introduction to Management	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
BMS200	Histology	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BMS204	Introduction to Pathophysiology	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
MGMT321	Occupational Health and Safety Management	Spring	6
Plus a further 6 cp from:			
BMS211	Foundations of Biomechanics	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
STS215	Globalisation: Technology, Culture and Media	Autumn	8
Or other approved subjects			
Year 3			
6849AG	Laboratory Testing & Procedures 2		72 hrs
6849AH	Laboratory Testing & Procedures 3		45 hrs
6849AA	Calibration & Data Handling		27 hrs
6850AA	Quality Improvement		18 hrs
6850AD	Instrumental Tests 1 – Spectroscopy		45 hrs
6850AE	Instrumental Tests 2 – Chromatography		36 hrs
6850AF	Instrumental Tests 3		18 hrs
1822F	Histotechnology		45 hrs
1822A	Microbiology		45 hrs
1822D	Haematology 1		54 hrs
1822H	Clinical Chemistry 1		54 hrs
1822B	Medical Microbiology		45 hrs
1822G	Histotechnology 2		45 hrs
1822K	Immunohaematology		45 hrs
1822E	Haematology II		54 hrs
1822C	Parasitology and Virology		18 hrs
1822J	Clinical Chemistry II		54 hrs
1822L	Workplace Practice 4 – Pathology		27 hrs
1822M	Workplace Practice 5 – Pathology		27 hrs
Year 4			
BMS352	Fundamentals of Neuroscience	Autumn	8
BMS300	Anatomy II Regional Anatomy	Spring	8
Plus a further 16 cp from:			
BMS302	Research Topics	Autumn/Spring	8
BMS311	Nutrients and Metabolism	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
CHEM350	Principles of Pharmacology	Autumn	8
Or other approved subjects			
Plus a further 16 cp from:			

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	BMS302	Research Topics	Autumn/Spring	8																					
	BMS345	Advanced Topics in Pathophysiology	Spring	8																					
	BMS346	Motor Control and Dysfunction	Spring	8																					
	PHIL380	Bioethics	Spring	8																					
	Or other approved subjects																								
Commerce	Honours																								
	Students wishing to proceed to Honours enrol in the Bachelor of Medical Science (Honours). Students should consult the information listed under the Bachelor of Medical Science.																								
Creative Arts	Professional Recognition																								
	Graduates may become members of the Australian Institute of Medical Scientists (AIMS).																								
Education	Other Information																								
	Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component.																								
Engineering	Bachelor of Medicine and Bachelor of Surgery																								
	<table><tr><td>Testamur Title of Degree:</td><td>Bachelor of Medicine and Bachelor of Surgery</td></tr><tr><td>Abbreviation:</td><td>MBBS</td></tr><tr><td>Home Faculty:</td><td>Health and Behavioural Sciences</td></tr><tr><td>Duration:</td><td>4 years full-time</td></tr><tr><td>Total Credit Points:</td><td>192 cp</td></tr><tr><td>Delivery Mode:</td><td>On campus</td></tr><tr><td>Starting Session(s):</td><td>Autumn</td></tr><tr><td>Location:</td><td>Wollongong and Shoalhaven</td></tr><tr><td>UOW Course Code:</td><td>888</td></tr><tr><td>UAC Code:</td><td>N/A</td></tr><tr><td>CRICOS Code:</td><td>054941G</td></tr></table>				Testamur Title of Degree:	Bachelor of Medicine and Bachelor of Surgery	Abbreviation:	MBBS	Home Faculty:	Health and Behavioural Sciences	Duration:	4 years full-time	Total Credit Points:	192 cp	Delivery Mode:	On campus	Starting Session(s):	Autumn	Location:	Wollongong and Shoalhaven	UOW Course Code:	888	UAC Code:	N/A	CRICOS Code:
Testamur Title of Degree:	Bachelor of Medicine and Bachelor of Surgery																								
Abbreviation:	MBBS																								
Home Faculty:	Health and Behavioural Sciences																								
Duration:	4 years full-time																								
Total Credit Points:	192 cp																								
Delivery Mode:	On campus																								
Starting Session(s):	Autumn																								
Location:	Wollongong and Shoalhaven																								
UOW Course Code:	888																								
UAC Code:	N/A																								
CRICOS Code:	054941G																								
Health & Behavioural Sciences	Overview																								
	Medicine is potentially one of the most exciting and challenging of all professions. The University of Wollongong Bachelor of Medicine and Bachelor of Surgery aims to produce knowledgeable, caring and competent graduates, well prepared to practise medicine under supervision as interns and subsequently to commence postgraduate vocational training in any area of medicine. The course also aims to impart knowledge, attitudes and skills that will enable graduates to practice ethical and scientifically-based health care with a high level of skill and social responsibility, and continue to develop their knowledge and skills throughout their career. The Graduate School of Medicine is committed to producing excellent medical practitioners who are committed to work in regional, rural and remote communities.																								
Informatics	Entry Requirements / Assumed Knowledge																								
	To qualify for admission to the University of Wollongong Bachelor of Medicine and Bachelor of Surgery applicants must have a Bachelor's degree in any discipline from a recognised institution completed no more than 10 years prior to course commencement and completed the Graduate Australian Medical Schools Admission Test (GAMSAT). Further information on applying for admission, including information on the necessary portfolio for admission, is available from Wollongong UniAdvice. International applicants must also satisfy the English language requirements for the course as detailed on the University website: www.uow.edu.au/prospective/international/english/index.html																								
Law	In order to attend clinical placements, students are required to have a Criminal Record Check (CRC) clearance card. To obtain this, students are requested to complete a CRC application form and sign a Working with Children Check form eight weeks prior to clinical placements. Before starting clinical placements, students are also required to comply with NSW Health Department Circular 'Occupational Screening and Vaccination Against Infectious Diseases', available on the NSW Health Department website. Students who do not meet these requirements will not be able to attend clinical practicum and therefore will not be able to enrol in the course. Further information is available at the end of this chapter.																								
Science																									

Course Requirements

The University of Wollongong Bachelor of Medicine/Bachelor of Surgery requires 4 years of full-time study and satisfactory completion of 192 credit points. The program is divided into 4 phases which each contain an integrated program of coursework and clinical experience.

Course Program

Subjects		Session	Credit Points
Year 1			
Phase 1			
MEDI601	Medicine 1	Autumn	24
MEDI601	Medicine 1	Spring	24
Year 2			
Phase 1			
MEDI601	Medicine 1	Autumn	24
Phase 2			
MEDI602	Medicine 2	Spring	24
Year 3			
Phase 3			
MEDI603	Medicine 3	Autumn	24
MEDI603	Medicine 3	Spring	24
Year 4			
Phase 3			
MEDI603	Medicine 3	Autumn	24
Phase 4			
MEDI604	Medicine 4	Spring	24

Each Phase must be completed satisfactorily before students may progress to the next Phase. If a student withdraws or does not satisfactorily complete a phase, they shall be required to repeat the entire phase. Grades for each Phase are only declared at the end of the phase.

The University of Wollongong Bachelor of Medicine and Bachelor of Surgery is a prescribed course with specific course rules regarding minimum rate of progress. Students are advised to refer to the University Course Rules for further information.

Note that due to the necessary inclusion of clinical placements, the dates for each session may vary from the normal UOW sessions.

Professional Recognition

Upon completion of a University of Wollongong Bachelor of Medicine and Bachelor of Surgery, graduates will have an extensive range of career options. Graduates may undertake work in private or public health, research, aid organizations, the defence forces, or a combination of these areas. There are many specialties available to graduates after completion of the University of Wollongong Bachelor of Medicine and Bachelor of Surgery, including:

Accident and emergency, anaesthesia, dermatology, general practice, geriatric medicine, intensive care, medical administration, internal medicine, obstetrics and gynaecology, occupational medicine, ophthalmology, paediatrics, oncology, cardiology, neurology, pathology, histopathology, microbiology, psychiatry, public health medicine, radiology, rehabilitation medicine, sexual health, sports medicine or surgery.

Australian graduates are required to complete an intern year in an Australian hospital as a prerequisite for full medical registration.

Further information regarding registration can be found at www.medeserv.com.au/nswmb/registration

Other Information

For further information, please contact

Keith McMullen

Curriculum Manager

Email: keithmc@uow.edu.au

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Nursing

Testamur Title of Degree:	Bachelor of Nursing
Abbreviation:	BNursing
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time
Total Credit Points:	144 cp
Delivery Mode:	Day classes
Starting Session(s):	Autumn
Location:	Wollongong and Bega
UOW Course Code:	863
UAC Code:	757101
CRICOS Code:	003330B

Overview

The Bachelor of Nursing is a first level award. Aims include sound knowledge for safe and competent practice; appropriate affective and psychomotor skills in providing holistic patient care; reflective nursing practice skills in a variety of settings; drawing on relevant principles of the biosciences and social and behavioural sciences; effective interpersonal and group communication skills; effective and collaborative functioning as a professional member of the health care team; effective and sensitive practice within a multicultural environment; responsibility for the continuing development of self and profession; and high level skills in organisation and allocation of priorities in clinical and practice activities.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any 2 units of Science at HSC level. International students are required to have achieved an overall IELTS score of 6.5, with a level of at least 6.0 in all bands, reading, writing, speaking and listening. Alternative pathways exist for mature age domestic students.

Enrolled Nurses who have completed an appropriate TAFE bridging course can enter into Year 2 of the course.

Advanced Standing

Enrolled Nurses with a TAFE Advanced Certificate receive 12 credit points' advanced standing toward Year 1. Enrolled Nurses who have completed an appropriate TAFE bridging course can enter into Year 2 of the course.

Course Requirements

The Bachelor of Nursing is comprised of 144 credit points of core subjects. This is a prescribed course designed for persons seeking registration with the New South Wales Nurses' Registration Board, in which:

Year 1 of the course introduces Fundamentals of Nursing Practice;

Year 2 of the course focuses on developing Collaborative Practice; and

Year 3 of the course is concerned with Autonomous Practice.

Candidates should note that pre- and co-requisites apply to many subjects in the course. Satisfactory completion of all Year 2 nursing theory and practice subjects (NURS262, NURS263, NURS266, and NURS267) is a pre-requisite to enrolment in Year 3 nursing theory and practice subjects. The reason for these prescriptions is that the School of Nursing, Midwifery and Indigenous Health has a legal responsibility to ensure that candidates meet nursing theory and practice requirements at each level of the course.

Due to the necessary inclusion of clinical practicum, the length of each session of the course varies from the normal 13 week session. Throughout the three-year course, students will be required to attend 20 weeks off-campus clinical placements in a variety of settings and different area health services.

In order to attend clinical placements, students are required to have a Criminal Record Check (CRC)* clearance card. To obtain this, students are requested to complete a CRC application form and sign a Working with Children Check* form eight weeks prior to clinical placements. Before starting clinical placements, students are also required to comply with NSW Health Department Circular 'Occupational Screening and Vaccination Against Infectious Diseases',* available on the NSW Health Department website. Students who do not meet these requirements will not be able to attend clinical practicum and therefore will not be able to continue in the Bachelor of Nursing.

* Further information is available under 'Other Information' in this section.

Course Program

Subjects		Session	Credit Points
Year 1			
NURS127	Human Physiology for Nursing: Principles & Systems	Autumn	6
NURS162	Effective Communication in Health Care Relationships	Autumn	6
NURS163	Fundamentals of Nursing	Autumn	6
NURS164	Patterns of Knowing in Nursing	Autumn	6
NURS165	Primary Health Care Nursing	Spring	6
NURS166	Medical/Surgical Nursing 1	Spring	6
POP103	Introduction to Health Behaviour Change	Spring	6
SCIE122	Biology for Nurses	Spring	6
Year 2			
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
NURS227	Human Bioscience 3	Autumn	6
NURS262	Medical/Surgical Nursing 2	Autumn	6
NURS263	Mental Health Nursing 1	Autumn	6
NURS264	Reflection and Practice	Spring	6
NURS265	Nursing Therapeutics	Spring	6
NURS266	Medical/Surgical Nursing 3	Spring	6
NURS267	Family and Maternal Health Nursing	Spring	6
Year 3			
NURS322	Developmental Disability Nursing	Autumn	6
NURS362	Continuing, Rehabilitative and Palliative Care Nursing	Autumn	6
NURS363	Therapeutic Use of Self	Autumn	6
NURS364	Research Appreciation and Application	Autumn	6
NURS365	Mental Health Nursing 2	Spring	6
NURS366	Community Health Nursing	Spring	6
NURS367	Medical/Surgical Nursing 4	Spring	6
NURS328	Management in Nursing	Spring	6

Honours

The Bachelor of Nursing (Honours) provides exceptional nursing students with the opportunity to extend their knowledge and skills beyond the beginning level. There is an increasing need for graduates to develop more advanced and extensive knowledge in the discipline than can be attained in a pass degree. This need can be achieved by qualified candidates who have attained a level of scholarship at credit level or above in 300-level Nursing subjects, undertaking advanced coursework and research.

Professional Recognition

Graduates are eligible to register with the Nurses' Registration Board NSW. Registration in other states is assessed individually. Graduates may gain registration in a number of other countries.

Other Information

Further information is available from:

Dr Peter Thomas, Undergraduate Coordinator, +61 2 4221 3229

or peter_thomas@uow.edu.au .

Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing.

For information on Criminal Record checks and Infectious Diseases please see section at the end of this chapter.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Nursing (Conversion)

Testamur Title of Degree:	Bachelor of Nursing (Conversion)
Abbreviation:	BNursing(Conversion)
Home Faculty:	Health and Behavioural Sciences
Duration:	The length of the degree is dependent upon entry qualifications
Total Credit Points:	24 cp (Diploma or equivalent) or 72 cp (Certificate or equivalent)
Delivery Mode:	Day classes
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	860
UAC Code:	N/A
CRICOS Code:	012094A

Overview

The Bachelor of Nursing (Conversion) provides hospital trained nurses or diplomates with the opportunity to upgrade to degree level. Students will demonstrate an increased understanding of the nature of nursing; evaluate and apply concepts drawn from nursing theory and research to professional practice; offer leadership to less experienced members of the nursing profession; demonstrate an increased awareness of the effects of cultural, social, economic, legal and ethical influences on the development of the nursing profession; demonstrate increased ability in critical reflection and research; display a readiness and ability to participate in positive changes; and demonstrate competencies that will enable health professionals to accept responsibility for a more complex level of client management.

Entry Requirements / Assumed Knowledge

Candidates must be Registered Nurses to enrol in this course; must be eligible for registration in NSW, and have obtained their initial qualification after 1972. Applicants who obtained their initial qualification before 1972 who do not hold equivalent nursing qualifications are still eligible to apply following successful completion of the Special Tertiary Admissions Test, or the fulfilment of other entry paths such as the University Access Program.

International students are required to have achieved an overall IELTS score of 6.5, with a level of at least 6.0 in all bands, reading and writing, speaking and listening.

Students should consult the information about Criminal Records Checks and Infectious Diseases in the Bachelor of Nursing entry above.

Advanced Standing

For Certificated Registered Nurses: Advanced standing of up to 24 credit points may be approved for candidates with post certificate qualifications and experience, but each candidate must satisfy each of the following requirements:

- at least 6 credit points will be for 100-level subjects, and must include NURS162;
- at least 12 credit points will be for 200-level subjects;
- at least 24 credit points will be for 300-level subjects, and must include NURS364.

Course Requirements for the course for Certificated Registered Nurses

The number of candidates admitted to the course will be limited and applicants must be approved by the Head of the School of Nursing, Midwifery and Indigenous Health. Registered nurses with certificate(s) are required to satisfactorily complete subjects with a value of at least 72 credit points.

Course Program

Subjects		Session	Credit Points
POP103	Introduction to Health Behaviour Change	Spring	6
NURS162	Effective Communication in Health Care Relationships	Autumn	6
NURS164	Patterns of Knowing in Nursing	Autumn	6
NURS165	Primary Health Care Nursing	Spring	6
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
NURS264	Reflection and Practice	Spring	6
NURS265	Nursing Therapeutics	Spring	6

NURS328	Management in Nursing	Spring	6
NURS363	Therapeutic Use of Self	Autumn	6
NURS364	Research Appreciation and Application	Autumn	6
NURS366	Community Health Nursing	Spring	6

Students may also choose a limited number of credit points from the General Schedule at the discretion of the Department.

Course Requirements for the course for Registered Nurses who hold a Diploma of Nursing, or equivalent

The number of candidates admitted to the course will be limited and applicants must be approved by the Head of the School of Nursing, Midwifery and Indigenous Health. Registered nurses with a Diploma of Nursing, or equivalent, are required to satisfactorily complete subjects with a value of at least 24 credit points, of which at least 12 credit points shall be for 300-level subjects and must include NURS364.

Course Program

Subjects	Session	Credit Points
NURS264	Reflection and Practice	Spring 6
NURS265	Nursing Therapeutics	Spring 6
NURS328	Management in Nursing	Spring 6
NURS363	Therapeutic Use of Self	Autumn 6
NURS364	Research Appreciation and Application	Autumn 6
NURS366	Community Health Nursing	Spring 6

Honours

The Bachelor of Nursing (Honours) provides exceptional nursing students with the opportunity to extend their knowledge and skills beyond the beginning level. There is an increasing need for graduates to develop more advanced and extensive knowledge in the discipline than can be attained in a pass degree. This need can be achieved by qualified candidates who have attained a level of scholarship at credit level or above in 300-level Nursing subjects, undertaking advanced coursework and research.

Professional Recognition

Graduates may apply for higher positions in management and other specialised areas within the discipline of nursing.

Bachelor of Nutrition and Dietetics

Testamur Title of Degree:	Bachelor of Nutrition and Dietetics
Abbreviation:	BNutrDiet
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	192 cp
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	865
UAC Code:	757647
CRICOS Code:	026811F

Overview

The Bachelor of Nutrition & Dietetics course emphasises professional development and provides students with opportunities to gain clinical and health promotion skills through placements in hospitals, community health centres and food companies.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 (minimum) for reading, writing, speaking and listening.

Course Requirements

Students will need to achieve a minimum of credit average across the full two years of their program to be permitted to continue into the third and fourth years of this degree. Students failing to achieve this grade will be transferred to the BSc (Nutrition) degree program.

Course Program

Subjects	Session	Credit Points
Year 1		
MGMT110 Introduction to Management and Employment Relations	Autumn	6
CHEM101 Chemistry 1A	Autumn	6
BMS103 Human Growth, Nutrition and Exercise	Autumn	6
BMS112 Human Physiology I: Principles and Systems	Spring	6
BIOL103 Molecules, Cells and Organisms	Spring	6
CHEM102 Chemistry 1B	Spring	6
STAT151 Introduction to the Concepts and Practice of Statistics	Spring	6
Plus a further 6 cp from		
PSYC101 Introduction to Behavioural Science	Autumn	6
or		
SOC103 Aspects of Australian Society	Autumn	6
Year 2		
BMS202 Human Physiology II: Control Mechanisms	Autumn	6
BIOL213 Principles of Biochemistry	Autumn	6
CHEM215 Food Chemistry	Autumn	6
POP202 Promoting Healthy Lifestyles	Autumn	6
POP222 Current Issues in Food and Nutrition	Spring	6
BIOL214 The Biochemistry of Energy and Metabolism	Spring	6
BMS210 Measurement and Assessment of Diet and Activity	Spring	6
Plus a further 6 cp from:		
BMS204 Introduction to Pathophysiology	Spring	6
BMS313 Nutrition and Food Innovation A	Spring	6
POP203* Health Policy	Spring	6
POP204* Epidemiology	Spring	6
MGMT311 Management of Change	Spring	6
MGMT398 Human Resource Management	Spring	6
Or other approved subjects		
Year 3		
BMS311 Nutrients and Metabolism	Autumn	8
BMS310 Community and Public Health Nutrition	Autumn	8
BMS312 Research in Human Nutrition	Autumn	8
BMS304 Research Topics in Nutrition and Dietetics	Spring	16
Plus a further 8 cp from:		
BMS345 Advanced Topics in Pathophysiology	Spring	8
BMS314* Nutrition and Food Innovation B	Spring	8
POP325 Aboriginal Health Issues	Spring	8
STS335 The Politics of Risk	Spring	8

Or other approved subjects

Year 4

BND433	Communication in Health Care Practice	Autumn	8
BND434	Dietetics	Autumn	8
BND435	Food Services and Dietetics Management	Autumn	8
BND437	Practical Studies in Nutrition and Dietetics	Spring	24

* Not to be taken if BMS313 is chosen in Year 3

Honours

Students should consult the School of Health Sciences about the requirements for Honours.

Professional Recognition

Graduates are eligible for membership of the Dietitians Association of Australia, and professional recognition as a Dietitian/Nutritionist.

Other Information

See section on Criminal Record Checks and Infectious Diseases at the end of this chapter.

Bachelor of Nutrition and Dietetics / TAFE Certificate IV in Hospitality (Catering Operations)

Testamur Title of Degree:	Bachelor of Nutrition and Dietetics TAFE Certificate IV in Hospitality (Catering Operations)
Abbreviation:	BNutrDiet / TAFE Cert IV Hosp (Catering Operations)
Home Faculty:	Health and Behavioural Sciences
Duration:	5 years full-time
Total Credit Points:	192 cp plus 764 hrs TAFE
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	865
UAC Code:	757647
CRICOS Code:	026811F

Overview

This 5-year program allows students to graduate with both a Bachelor of Nutrition and Dietetics, and the TAFE Certificate IV in Hospitality (Catering Operations). Undertaking the two programs separately would normally take 6 years.

Graduates would be eligible for membership of the Dietitians Association of Australia (DAA) and to practice as professional Dietitians. Graduates also would be eligible to be members of the Institute of Hospitality and Healthcare. Prospective students should consult the Course Coordinator about their enrolment.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 (minimum) for reading, writing, speaking and listening.

Other Information

Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component. For information on Criminal record checks and infectious diseases, refer to the section at the end of this chapter.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Psychology

Testamur Title of Degree:	Bachelor of Psychology
Abbreviation:	BPsyc
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Normally Autumn session
Location:	Wollongong
UOW Course Code:	866
UAC Code:	757652
CRICOS Code:	026184F

Overview

Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.

The Bachelor of Psychology offered by the University of Wollongong is a four year undergraduate Honours degree accredited by the Australian Psychological Society (APS). The Bachelor of Psychology is a route to Postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a Psychologist with the Psychologists' Registration Board of New South Wales, a post degree supervision period also being required.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5, with at least 6.0 in reading, writing, speaking and listening.

Course Requirements

For students entering at 100-level, continuation in the course requires (in the psychology subjects approved for the degree), an average result of at least 70% at the end of 100-level, a cumulative average of 70% for 100 & 200-level subjects at the end of 200-level, and a cumulative average of 70% for 200 & 300-level subjects at the end of 300-level.

Course Program

Subjects (by year)	Session	Credit Points
PSYC121 Foundations in Psychology A	Autumn	6
PSYC122 Foundations in Psychology B	Spring	6
PSYC123 Theory, Design and Statistics in Psychology	Spring	6
PSYC249 Applied Psychology	Autumn	6
PSYC250 Quantitative Methods		6
PSYC231 Personality	Autumn	6
PSYC234 Biological Psychology and Learning	Autumn	6
PSYC236 Cognition and Perception	Spring	6
PSYC241 Developmental and Social Psychology	Spring	6
PSYC347 Assessment and Intervention	Autumn	8
PSYC348 History and Metatheory of Psychology	Autumn	8
PSYC354 Design and Analysis	Spring	8
Plus three elective subjects at 300-level, including at least one of the following:		
PSYC345 Memory and Language	Autumn	8
PSYC349 Visual Perception	Spring	8
PSYC352 Psychophysiology	Spring	8
And may include:		

PSYC315	Psychology of Abnormality	Spring	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8

In addition, a further 42 credit points across 100-, 200- and 30- levels must be taken from the Health and Behavioural Sciences, Science or General Schedules. Students may include PSYC101 Introduction to Behavioural Science as an elective.

400-Level

Students will study in either the Honours or Non-Honours stream. Places within the Honours stream are limited, therefore entry will be on a competitive basis. All students who do not successfully gain entry into Honours will be enrolled in the Non-Honours stream provided they have satisfied the credit level performance to remain in the program.

Honours

The Honours program is made up of:

1. PSYC410 Honours Empirical Thesis
2. PSYC412 Honours Data Analysis
3. PSYC 485 Principles and Practices of Psychological Assessment

Plus

Either:

4. PSYC413 Honours Theory

And one of the optional subjects:

5. PSYC484 Social Psychology and Health
6. PSYC489 Advanced Abnormal Psychology
7. PSYC478 Child and Adolescent Psychology

Or

8. PSYC414 Honours Theoretical Thesis

Candidates intending to complete Honours as part-time students will generally do PSYC412, PSYC485 plus PSYC414 or PSYC413 and one of the optional subjects in the first year, and PSYC410 in the second year.

Non-Honours

This program is made up of:

1. PSYC478 Child and Adolescent Psychology
2. PSYC479 Major Research Project
3. PSYC484 Social Psychology and Health

4. PSYC485 Principles and Practices of Psychological Assessment

5. PSYC488 Contemporary Issues for Professional and Research Psychologists
6. PSYC489 Advanced Abnormal Psychology

Professional Recognition

Our degrees are set up to meet the requirements of external bodies such as the APS and the NSW Registration Board, but for information about these professional bodies, their regulations, and about post university practice as a psychologist, please contact these bodies directly.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Science

Testamur Title of Degree:	Bachelor of Science
Abbreviation:	BSc
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time of part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Normally autumn session
Location:	Wollongong
UOW Course Code:	749
UAC Code:	See UAC code under specific major
CRICOS Code:	020187G

Overview

The Bachelor of Science offered by the Faculty of Health and Behavioural Sciences, course code 749, offers students the opportunity to enrol in a major or double major in a number of disciplines, including Exercise Science, Nutrition, Population Health, and Psychology. Students also may choose a second major from outside the Faculty, such as Biology, Biostatistics, Chemistry, Human Geography, Management, Marketing and others.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. Some majors also assume that students have completed 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Course Requirements

The Bachelor of Science, Course code 749, is comprised of 144 credit points of subjects listed in the subject schedule for majors in the Faculty of Health and Behavioural Sciences, plus additional elective subjects chosen from the Health and Behavioural Sciences, Science or the General Schedules. For some double majors, more than 144 credit points of subjects may need to be completed. Subjects to a value of at least 90 credit points of subjects must be selected from the Health and Behavioural Sciences schedules. Students may undertake no more than 60 credit points of 100-level subjects. Students should refer to the Award Rules for the Bachelor of Science, course code 749.

Honours

The Bachelor of Science (Honours) is designed to provide students with skills to demonstrate excellence in research with a clear understanding of a research question in relation to current knowledge. The degree program fosters the following abilities and skills: plan, design and perform a research project; collect and analyse data; evaluate data; synthesise results and integrate with relevant ideas and concepts; communicate; and put relevant principles into practice.

Entry into the Bachelor of Science (Hons) requires the student to have attained at least a credit average in subjects undertaken during their undergraduate degree. The Postgraduate coordinator and prospective supervisor will determine whether a student's 300-level subjects are appropriate for entry into the Bachelor of Science (Hons). In addition, admission to the Bachelor of Science (Hons) will be dependent upon the availability of an appropriate supervisor, who must be identified by the applicant before applying for entry. Students considering enrolment in BSc(Hons) should first contact the Schools' Honours Coordinator.

Major Study Areas

- Exercise Science
- Exercise Science and Nutrition
- Nutrition
- Nutrition and Chemistry
- Population Health
- Population Health and Exercise Science
- Population Health and Human Geography

- Population Health and Indigenous Health
- Population Health and Marketing
- Population health and Nutrition
- Population Health and Psychology
- Population Health and Statistics
- Psychology
- Psychology and Biology
- Psychology and Exercise Science
- Psychology and Nutrition

Exercise Science (UAC Code 757642)

The Exercise Science major provides a general introduction to the area of exercise science through the study of anatomy, physiology, exercise physiology, exercise prescription and biomechanics. Students will gain a basic understanding of the anatomical and physiological basis of human motion, and the effect of exercise, injury, and disease on human performance in sport, industry, and in daily living.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Exercise Science Major consists of 144 credit points, as outlined in the course structure below.

Double Majors

Students may undertake double majors in:

- Exercise Science and Nutrition (see below)
- Exercise Science and Management (Students should consult an academic adviser in both Faculties)
- Exercise Science and Psychology (see below)

Professional Recognition

Graduates may become full members of the Australian Association for Exercise and Sports Science (AAESS) although further study may be required to achieve professional accreditation.

Credit Towards Other Courses

This degree represents the first 3 years of the 4-year professional Bachelor of Exercise Science and Rehabilitation degree program. Graduates are trained to utilise exercise as an intervention to maintain health and fitness in healthy individuals.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BIOL213	Principles of Biochemistry	Autumn	6
	PSYC216	Psychology of Physical Activity	Autumn	6
	BMS203	Musculoskeletal Functional Anatomy	Spring	6
	BMS204	Introduction to Pathophysiology	Spring	6
	BMS242	Exercise Physiology	Spring	6
Commerce		Plus a further 6 cp from		
	BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
	MGMT102	Business Communications	Autumn	6
	POP101	Population Health – Current Health Issues and their Determinants	Autumn	6
Creative Arts	POP220	Mass Media and Population Health	Refer School	6
	Year 3			
	BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
	BMS342	Advanced Exercise Physiology	Autumn	8
	BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
Education		Plus a further 24 cp from:		
	BMS354#	Practicum in Exercise Science	Annual	8
	BMS302	Research Topics	Autumn/Spring	8
	BMS344	Cardiorespiratory Physiology	Autumn	8
	BMS352	Fundamentals of Neuroscience	Autumn	8
Engineering	BEXS403	Ergonomics in Practice	Autumn	8
	BMS300	Anatomy II Regional Anatomy	Spring	8
	BMS303	Research Topics in Exercise Science	Autumn	8
	BMS341	Clinical Biomechanics	Spring	8
	BMS345	Advanced Topics in Pathophysiology	Spring	8
Health & Behavioural Sciences	BMS346	Motor Control and Dysfunction	Spring	8
		Or other approved subjects		
# Pre-requisite: BMS203, BMS242. This subject is for BSc (Exercise Science) and BSc (Exercise Science and Nutrition) students only.				
Other Information				
Within the degree of 144 credit points subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules.				
Exercise Science and Nutrition (UAC Code 757646)				
Informatics	This double major, Exercise Science and Nutrition, represents the first 3 years of an integrated five-year nested undergraduate and postgraduate program of study. The Master of Science (Nutrition/Dietetics and Exercise Science) is designed to produce a combined Dietitian and Exercise Science practitioner, who has professional accreditation from both the Dietitians Association of Australia (DAA) and the Australian Association for Exercise and Sports Science (AAESS).			
	Assumed Knowledge			
Law	Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.			
	Major Study			
Science	The Exercise Science and Nutrition Major consists of 150 credit points, as outlined in the course structure below.			
	Honours			
	See entry under Bachelor of Science			

Professional Recognition

After completion of the Masters program (5 years) students will be able to apply for professional accreditation from the DAA and AAESS.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BMS242	Exercise Physiology	Spring	6
BMS210	Measurement and Assessment of Diet and Activity	Spring	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
POP222	Current Issues in Food and Nutrition	Spring	6
Year 3			
BMS310	Community and Public Health Nutrition	Autumn	8
BMS311	Nutrients and Metabolism	Autumn	8
BMS312	Research in Human Nutrition	Annual	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BEXS352	Exercise Prescription 2: Aerobic Conditioning	Autumn	8
BMS346	Motor Control and Dysfunction	Spring	8

Nutrition (UAC Code 757645)

The major in Nutrition provides a general education in the study of human nutrition, with core areas of study including biochemistry, nutritional metabolism, and community and public health nutrition. The major is designed to meet the prerequisite requirements for admission to the Master of Science (Nutrition and Dietetics), and recognition by the Dietitians Association of Australia (DAA) as an Associate Member.

Students who have achieved a credit average in the first two and a half years of this degree may be invited to transfer into the Bachelor of Nutrition and Dietetics.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level, and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading and writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Nutrition Major consists of 144 credit points, as outlined in the course structure below.

Honours

See entry under Bachelor of Science

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Course Program

	Subjects	Session	Credit Points
Arts	Year 1		
	MGMT110 Introduction to Management	Autumn	6
	or		
Commerce	POP101 Population Health – Current Health Issues and Their Determinants	Autumn	6
	BMS103 Human Growth, Nutrition and Exercise	Autumn	6
	CHEM101 Chemistry 1A	Autumn	6
	PSYC101 Introduction to Behavioural Science	Autumn	6
	or		
Creative Arts	SOC103 Aspects of Australian Society	Autumn	6
	or		
	ABST150 Introduction to Aboriginal Australia	Autumn	6
	BMS112 Human Physiology I: Principles and Systems	Spring	6
	BIOL103 Molecules, Cells and Organisms	Spring	6
	CHEM102 Chemistry 1B	Spring	6
Education	STAT151 Introduction to the Concepts and Practice of Statistics	Spring	6
	Year 2		
	BMS202 Human Physiology II: Control Mechanisms	Autumn	6
	BIOL213 Principles of Biochemistry	Autumn	6
	CHEM215 Food Chemistry	Autumn	6
	POP202 Promoting Healthy Lifestyles	Autumn	6
	POP222 Current Issues in Food and Nutrition	Spring	6
Engineering	BIOL214 The Biochemistry of Energy and Metabolism	Spring	6
	BMS210 Measurement and Assessment of Diet and Activity	Spring	6
	Plus a further 6 cp from		
Health & Behavioural Sciences	BMS204 Introduction to Pathophysiology	Spring	6
	POP203 Health Policy	Spring	6
	POP204 Epidemiology	Spring	6
	MARK213 Marketing Principles	Spring	6
	MGMT311 Management of Change	Spring	6
	MGMT398 Human Resource Management	Spring	6
	Or other approved subjects		
	Year 3		
Informatics	BMS311 Nutrients and Metabolism	Autumn	8
	BMS310 Community and Public Health Nutrition	Autumn	8
	BMS312 Research in Human Nutrition	Autumn	8
	BMS314 Nutrition and Food Innovation B	Spring	8
	Plus a further 16 cp from:		
Law	BMS302 Research Topics	Spring	8
	BMS345 Advanced Topics in Pathophysiology	Spring	8
	POP332 Population Health Project B	Spring	8
	POP325 Aboriginal Health Issues	Spring	8
	STS335 The Politics of Risk	Spring	8
Science	CHEM320 Bioinformatics: From Genome to Structure	Spring	8
	Or other approved subjects		

Nutrition and Chemistry

This 144 credit point program of study fulfils the requirement for a double major in Nutrition and Chemistry. The subjects are mostly selected from the Faculty of Health and Behavioural Sciences and the Sciences Schedules.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level, and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking.

Alternative pathways exist for mature age domestic students.

Course Program

Subjects	Session	Credit Points
Year 1		
MGMT110 Introduction to Management	Autumn	6
Or		
POP101 Population Health – Current Health Issues and Their Determinants	Autumn	6
BMS103 Human Growth, Nutrition and Exercise	Autumn	6
CHEM101 Chemistry 1A	Autumn	6
PSYC101 Introduction to Behavioural Science	Autumn	6
Or		
SOC103 Aspects of Australian Society	Autumn	6
Or		
ABST150 Introduction to Aboriginal Australia	Autumn	6
BMS112 Human Physiology: Principles and Systems	Spring	6
BIOL103 Molecules, Cells and Organisms	Spring	6
CHEM102 Chemistry 1B	Spring	6
STAT151 Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2		
BMS202 Human Physiology II: Control Mechanisms	Autumn	6
BIOL213 Principles of Biochemistry	Autumn	6
CHEM211 Inorganic Chemistry II	Autumn	6
CHEM212 Organic Chemistry II	Autumn	6
CHEM215 Food Chemistry	Autumn	6
POP222 Current Issues in Food and Nutrition	Spring	6
BIOL214 The Biochemistry of Energy and Metabolism	Spring	6
CHEM213 Molecular Structure, Reactivity and Change	Spring	6
Year 3		
BMS311 Nutrients and Metabolism	Autumn	8
BMS310 Community and Public Health Nutrition	Autumn	8
Plus a further 8 cp from:		
BMS312 Research in Human Nutrition	Autumn	8
BMS300 Anatomy II Regional Anatomy	Spring	8
BMS302 Research Topics	Spring	8
BMS314 Nutrition and Food Innovation B	Spring	8
BMS345 Advanced Topics in Pathophysiology	Spring	8
BMS346 Motor Control and Dysfunction	Spring	8
Plus a further 24 cp from:		
CHEM314 Instrumental Analysis	Autumn	8
CHEM320 Bioinformatics: From Genome to Structure	Spring	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	CHEM321	Organic Synthesis and Reactivity	Spring	8
	CHEM327	Environmental Chemistry	Autumn	8
	CHEM330	Medicinal Chemistry	Spring	8
	CHEM340	Chemistry Laboratory Project	Autumn/Spring	8
	CHEM364	Molecular Structure and Spectroscopy	Autumn	8
Commerce	Or other approved subjects			
	Other Information			
	Students are advised to consult an academic adviser in each discipline about subject selection			
	Population Health UAC Code 757648			
	<p>The Bachelor of Science (Population Health) aims to train students in skills to obtain, review and analyse health information, to plan and manage a health project and to improve the health of populations. The program is designed to do two main things. Firstly, students will learn the basics of the health sector and develop an understanding of the problems involving health, illness, treatment and welfare.</p> <p>Secondly, some useful skills are developed such as analysing information, researching with people, developing policy, project management and writing for a range of purposes, such as report writing and writing for the media. This means that when you graduate, there are many possibilities with regard to jobs, especially if you take population health in conjunction with another specialty area, such as psychology, nutrition, exercise science, statistics, economics or politics.</p>			
Creative Arts	Assumed Knowledge			
	Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.			
	Major Study			
	The Population Health major consists of 88 credit points as outlined in the course structure below, together with other subjects which may be selected from the Health & Behavioural Sciences, Science or General Schedules, to make up the 144 credit points required for the degree. At least 90 credit points must be chosen from subjects offered by the Faculty of Health and Behavioural Sciences and the Sciences Schedules.			
	Double Majors			
Education	Students may undertake a double major in:			
	<ul style="list-style-type: none"> Population Health and Exercise Science Population Health and Human Geography Population Health and Indigenous Health Population Health and Marketing Population Health and Psychology Population Health and Statistics 			
	Honours			
	See entry under Bachelor of Science			
	Course Program			
Engineering	Subjects		Session	Credit Points
	100 Level			
	BMS103	Human Growth Nutrition and Exercise	Autumn	6
	POP101	Population Health – Current Issues and their Determinants	Autumn	6
	STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
Health & Behavioural Sciences	and one of			
	ABST150	Introduction to Aboriginal Australia	Autumn/ Spring	6
	Or			
Informatics				
Law				
Science				

POP103	Introduction to Health Behaviour Change	Spring	6
200 Level			
POP201	Contemporary Population Health Issues	Autumn	6
POP202	Promoting Healthy Lifestyles	Autumn	6
POP203	Health Policy	Spring	6
POP204	Epidemiology	Spring	6
300 Level			
POP301	Project and Program Design, Management and Evaluation	Autumn	8
POP302	Analysis and Interpretation of Evidence	Autumn	8
POP331**	Population Health Project A	Spring	24
or			
POP332*	Population Health Project B	Spring	8
* Students taking a joint major with another specialisation should take POP332 Population Health Project B. Note – students can include additional subjects in Population Health in their degree, including:			
POP102	Sex, Drugs and Rock'n'Roll: public health perspectives	Not offered in 2007	6
POP325	Aboriginal Health Issues	Spring	8
POP222	Current issues in food and nutrition	Spring	6
BMS310	Community and Public Health Nutrition	Autumn	8
**Requires a credit average in core population health subjects			

Other Information

Double degree programs (e.g. with commerce or nursing) are also possible.

Population Health and Exercise Science (UAC Code 757648)

The double major comprises 144 credit points, 60 credit points of subjects in the Population Health major and 84 credit points of subjects in the Exercise Science major.

This program is not designed for students intending a career in 'hands-on' exercise prescription or fitness training. Students would not be eligible for AESS accreditation.

This double major meets the needs of students who are interested in working in health promotion, especially the development, management and evaluation of community-based physical activity programs. It combines public and population health approaches with a sound understanding of the science of exercise and physical activity

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level, and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking

Alternative pathways exist for mature age domestic students.

Course Program

100 level

BMS103	Human Growth Nutrition and Exercise	Autumn	6
POP101	Population Health – current health issues & their determinants	Autumn	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
BMS101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
BMS112	Human Physiology I	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	200 level			
	BMS202	Human Physiology II: Control mechanisms	Autumn	6
	BMS211	Foundations of Biomechanics	Autumn	6
	PSYC216	Psychology of Physical Activity	Autumn	6
	BMS203	Musculoskeletal Functional Anatomy	Spring	6
Commerce	BMS242	Exercise Physiology	Spring	6
	POP204	Epidemiology	Spring	6
	POP201	Contemporary Population Health Problems	Autumn	6
	or			
	POP202	Promoting Healthy Lifestyles	Autumn	6
Creative Arts	And either			
	POP203	Health Policy	Spring	6
	or			
	POP103	Introduction to Health Behaviour Change (if POP202 not taken in Autumn Session)	Spring	6
300 level				
Education	POP301	Project and Program Design, Management and Evaluation	Autumn	8
	POP302	Analysis and Interpretation of Evidence	Autumn	8
	POP332	Population Health Project B	Spring	8
	BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
	BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
Engineering	BMS300	Regional Anatomy	Spring	8
Health & Behavioural Sciences	Population Health And Human Geography (UAC Code 757648)			
	The double major in Population Health and Human Geography consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Human Geography at the end of the double major degree, additional subjects are required. Students should consult the entry in the Faculty of Science sections of the Handbook, and consult an academic adviser in Earth & Environmental Sciences.			
	The double major in Population Health and Human Geography enables students to pursue two options for their career or further study. The combination of majors is particularly relevant for students who may wish to work in rural or community development or local level social/health policy and planning, for example within local governments.			
	Entry Requirements / Assumed Knowledge			
	Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.			
Informatics	Course Program			
	Subjects	Session	Credit Points	
	100 Level			
	BMS103	Human Growth, Nutrition and Exercise	Autumn	6
	POP101	Population Health – Current Health issues and their Determinants	Autumn	6
Law	STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
	SOC103	Aspects of Australian Society	Autumn	6
	EESC104	The Human Environment: Problems and Change	Spring	6
	SOC104	Communication, Media and Society	Spring	6
	and one of			
Science	ABST150	Introduction to Aboriginal Australia	Autumn	6
	Or			

POP103	Introduction to Health Behaviour Change	Spring	6
plus one elective			
200 Level			
POP201	Contemporary Population Health Issues	Autumn	6
POP202	Promoting Health Lifestyles	Autumn	6
EESC205	Population Studies	Autumn	6
SOC242	Contemporary Issues in Society	Autumn	8
POP204	Epidemiology	Spring	6
EESC204	Introduction to Spatial Science	Spring	6
EESC210	Social Spaces: Rural and Urban	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
300 Level			
POP301	Project and Program Design, Management and Evaluation	Autumn	8
POP302	Analysis and Interpretation of Evidence	Autumn	8
POP332	Population Health Project B	Spring	8
EESC307	Spaces, Places and Identities	Autumn	8
and two of			
EESC350	Directed Studies in Earth and Environmental Sciences	Spring	8
EESC304	Geographic Information Science	Spring	8
EESC308	Environmental and Heritage Management	Spring	8

Population Health and Indigenous Health (UAC Code 757648)

Students must complete at least 72 credit points in the Population Health major and at least 72 credit points in the Indigenous Health major for a total of at least 144 credit points.

This double major in Population Health and Indigenous Health provides an opportunity for students undertaking the Population Health major to complete a second major in Indigenous Health. An in-depth understanding of Indigenous Health issues and the development of public health programs that are appropriate for indigenous Australians is important for those working in public health generally. The health of Aboriginal people is a major challenge for public health in Australia. The Population Health program offers Indigenous Health program students with an interest in working in the Aboriginal community additional skills in epidemiology, evidence-based approaches, project managements, and health promotion.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking.

Alternative pathways exist for mature age domestic students.

Course Program

100 level

POP101	Population Health – Current Health Issues & and Their Determinants	Autumn	6
BMS103	Human Growth Nutrition and Exercise	Autumn	6
STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
POP103	Introduction to Health Behaviour Change	Spring	6
ABST150	Introduction to Aboriginal Australia (or Spring for students undertaking EDUF111)	Autumn	6
NURS162	Effective Communication in Health Care Relationships	Autumn	6
Plus 12 credit points of elective subjects chosen with advice of Indigenous Health coordinator.			
Students considering Grad Dip Educ should complete:-			
EDUF111	Education I	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	EDUF212	Education II	Spring	6
	200 level			
	POP201	Contemporary Population Health Problems	Autumn	6
	POP202	Promoting Healthy Lifestyles	Autumn	6
Commerce	POP203	Health Policy and Service Structure	Spring	6
	POP204	Epidemiology	Spring	6
	ABST200	Aboriginal History Since Invasion	Autumn	8
	And either			
Creative Arts	NURS242	Functional Community Structures	Autumn	6
	or			
	NURS240	Current Services in Aboriginal Health	Autumn	6
	plus			
Education	ARTS211	Social Science Perspectives on Health and Illness	Spring	6
	NURS243	Comparative Indigenous Health Issues	Spring	6
	300 level			
	POP301	Project and program design, management and evaluation	Autumn	8
Engineering	POP302	Analysis and interpretation of evidence	Autumn	8
	POP332	Population health project B	Spring	8
	NURS341	Research in Indigenous Health	Autumn	6
	POP325	Indigenous Health Issues	Spring	8
Health & Behavioural Sciences	ABST300	Indigenous Theories of De-colonisation	Spring	8
	Plus one of the following subjects:-			
	NURS327	Health and Human Ecology	Spring	6
	NURS343	Community Health Development: Theory, Research and Practice	Spring	6
Informatics	Population Health and Marketing (UAC Code 757648)			
	The double major requires 66 credit points in the Population Health major and 48 credit points in the Marketing major (plus prerequisite subjects totalling 12 credit points), with an additional 18 credit points of elective subjects to total 144 credit points for the degree.			
	This double major meets the needs of these students who are interested in working in health promotion with an emphasis on health communication, as well as the development, promotion, management and evaluation of community-based health programs. It may also be relevant to students interested in following a career in health services marketing in the private and public sphere.			
	The double major is also a first degree for students interested in pursuing Honours and postgraduate research studies in these areas.			
Law	Entry Requirements / Assumed Knowledge			
	Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking			
	Alternative pathways exist for mature age domestic students.			
	Course Program			
Science	100 level			
	POP101	Population Health – Current Health Issues & and Their Determinants	Autumn	6
	BMS103	Human Growth Nutrition and Exercise	Autumn	6
	POP103	Introduction to Health Behaviour Change	Spring	6
	MARK101	Marketing Principles	Autumn	6

COMM121	Quantitative Methods I	Spring	6
Plus elective subjects to the value of 18 credit points, 6 credit points in Autumn Session and 12 credit points in Spring Session.			

200 level

POP201	Contemporary Population Health Problems	Autumn	6
POP202	Promoting Healthy Lifestyles	Autumn	6
POP203	Health Policy and Service Structure	Spring	6
POP204	Epidemiology	Spring	6
MARK201	Applied Marketing Research A	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK202	Applied Marketing Research B	Spring	6
MARK270	Services Marketing	Spring	6

300 level

POP301	Project and Program Design, Management and Evaluation	Autumn	8
POP302	Analysis and Interpretation of Evidence	Autumn	8
POP332	Population Health Project B	Spring	8
MARK333	Marketing Communications	Autumn	6
MARK320	Social Marketing	Autumn	6
MARK301	Internet Applications for Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6

Population Health and Nutrition (UAC Code 757648)

The double major comprises 144 credit points, 66 credit points of subjects in the Population Health major and 78 credit points of subjects in the Nutrition major.

This double major meets the needs of students who are interested in working in health promotion, especially the development, management and evaluation of community-based nutrition and food policy programs. It combines public and population health approaches with a sound understanding of the science of nutrition. Diet and nutrition have become increasingly important for the Australian population and public health.

Students wishing to proceed into the Dietetics program should seek advice from the Nutrition coordinator.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level, and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking.

Alternative pathways exist for mature age domestic students.

Course Program

100 level

BMS103	Human Growth Nutrition and Exercise	Autumn	6
POP101	Population health – Current Health issues & and their Determinants	Autumn	6
COMM121	Quantitative Methods I	Autumn	6
POP103	Introduction to Health Behaviour Change	Spring	6
CHEM101	Chemistry 1A	Autumn	6
BMS112	Human Physiology I	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6

200 level

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	POP202	Promoting Healthy Lifestyles	Autumn	6
	POP204	Epidemiology	Spring	6
	POP222	Current Issues in Food and Nutrition	Spring	6
	BMS202	Human Physiology II: Control Mechanisms	Autumn	6
	BIOL213	Principles of Biochemistry	Autumn	6
Commerce	CHEM215	Food Chemistry	Autumn	6
	BMS210	Measurement and Assessment of Diet and Activity	Spring	6
	BIOL214	Biochemistry of Energy and Metabolism	Spring	6
Creative Arts	300 level			
	POP302	Analysis and Interpretation of Evidence	Autumn	8
	POP325	Aboriginal Health Issues	Spring	8
	POP332	Population Health Project B	Spring	8
	BMS310	Community and Public Health Nutrition	Autumn	8
	BMS311	Nutrients and Metabolism	Autumn	8
Education	BMS314	Nutrition and Food Innovation B	Spring	8
	Population Health and Psychology (UAC Code 757648 or 757651)			
Engineering	The double major in Population Health and Psychology enables students to pursue two options for their career or further study. Students may progress to advanced level study such as honours or postgraduate courses in either field. In addition, the combination of majors will enable graduates to apply for jobs in specialist areas of population health, such as lifestyle counselling or conduction lifestyle management programs.			
	Entry Requirements / Assumed Knowledge			
Health & Behavioural Sciences	Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.			
	Professional Recognition			
Informatics	To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW, it is necessary to complete an accredited 4-year course of study plus 2 years' supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.			
	Double Major			
Law	The double major in Population Health and Psychology consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Psychology at the end of the double major degree, additional subjects are required. Students should consult the information on Honours in the entry for the Psychology major.			
	Course Program			
Science	Subjects		Session	Credit Points
	100 Level			
Law	ABST150	Introduction to Aboriginal Australia	Autumn	6
	BMS103	Human Growth, Nutrition and Exercise	Autumn	6
	PSYC121	Foundations of Psychology A	Autumn	6
	POP101	Population Health – current health issues and their determinants	Autumn	6
Science	POP103	Introduction to Health Behaviour Change	Spring	6
	PSYC122	Foundations of Psychology B	Spring	6
	PSYC123	Theory, Design and Statistics in Psychology	Spring	6
	and one elective			
200 Level				

POP201	Contemporary Population Health Issues	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC250	Quantitative Methods	Autumn	6
POP203	Health Policy	Spring	6
POP204	Epidemiology	Spring	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6

Note: Psychology Honours also requires that PSYC248 Statistics and Measurement 2 be taken.

300 Level

POP301	Project and Program Design, Management and Evaluation	Autumn	8
POP302	Analysis and Interpretation of Evidence	Autumn	8
POP332	Population Health Project B	Spring	8
PSYC347	Assessment and Intervention	Autumn	8

And two electives, of which there must be at least one of the following:

PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8

And may include

PSYC315	Psychology of Abnormality	Spring	8
PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC354	Design and Analysis	Spring	8

Note: Students wishing to take Psychology Honours should consult the information on Honours listed under the single Major, Psychology, to ensure they complete the required subjects.

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules. Subjects to the value of 144 credit points are required for the degree.

Population Health And Statistics (UAC Code 757648)

The double major in Population Health and Statistics enables students to pursue two options for their career or further study. The combination of majors is particularly relevant for students who may wish to work in the area of health surveillance, survey work, research or health services planning. This combination of study areas is unique to the University of Wollongong and reflects an area of high demand in the population health field.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Students should consult the information in the Informatics Faculty Handbook concerning 'Assumed Knowledge' and 'Recommended Studies' for entry into the Statistics major.

Double Major

The double major in Population Health and Statistics consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in statistics at the end of the double major degree, additional subjects are required.

Course Program

Subjects	Session	Credit Points
----------	---------	---------------

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	100 Level			
	ABST150	Introduction to Aboriginal Australia	Spring	6
	BMS103	Foundations of Human Growth, Nutrition and Exercise	Autumn	6
	MATH187	Mathematics 1A Part 1	Autumn	6
	STAT131	Understanding Variation and Uncertainty	Autumn	6
Commerce	MATH188	Mathematics 1A Part 2	Spring	6
	POP103	Introduction to Health Behaviour Change	Spring	6
	POP101	Population Health – current health issues and their determinants	Autumn	6
	Plus one elective			
	200 Level			
Creative Arts	POP201	Contemporary Population Health Issues	Autumn	6
	POP202	Promoting Healthy Lifestyles	Autumn	6
	STAT231	Probability and Random Variables	Autumn	6
	POP203	Health Policy	Spring	6
	POP204	Epidemiology	Spring	6
Education	STAT232	Estimation and Hypothesis Testing	Spring	6
	And at least one 200-level MATH subject (MATH201, MATH202, MATH203, MATH204, MATH212, MATH222, MATH291, MATH292, MATH293 or MATH294)			
	300 Level			
	POP301	Project and Program Design, Management and Evaluation	Autumn	8
	POP302	Analysis and Interpretation of Evidence	Autumn	8
Engineering	POP332	Population Health Project B	Spring	8
	STAT333	Statistical Inference and Multivariate Analysis	Spring	6
	STAT304	Operations Research and Applied Probability	Autumn	6
	STAT332	Multiple Regression and Time Series	Spring	6
	and			
Health & Behavioural Sciences	STAT335	Sample Surveys and Experimental Design	Autumn	6
	or			
Informatics	STAT355	Sample Surveys and Experimental Design (with project)	Autumn	8
	Psychology (UAC Code 75765)			
Law	Single Major			
	Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.			
Science	Entry Requirements / Assumed Knowledge			
	Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.			
	Major Study			
	Students of the BSc will complete the program of study outlined below for a major in Psychology. Additional subjects should be taken in line with the degree requirements to complete the degree.			
	Double Majors			
	Students may undertake a double major in:			
	– Population Health and Psychology			
	– Psychology and Biology			
	– Psychology and Exercise Science			

Honours

Honours in Psychology is a fourth year of study accredited by the Australian Psychological Society (APS). It is offered on a one year full-time or two year part-time basis. Psychology Honours is a route to the Postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a Psychologist with the Psychologist's Registration Board of New South Wales – a post degree supervision period also being required. Graduates of the University of Wollongong with a major in Psychology are eligible for admission to Psychology Honours provided that: they have completed an undergraduate degree curriculum with a major in psychology; they have completed PSYC249 Applied Psychology, PSYC348 History and Metatheory of Psychology and PSYC354 Design and Analysis; they have completed at least 76 credit points of Psychology subjects at 200- and 300- levels; they have at least a credit average for Psychology subjects at 200- and 300- levels.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4-year course of study plus 2 years supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects		Session	Credit Points
PSYC121	Foundations in Psychology A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
PSYC231	Personality	Autumn	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC250	Quantitative Methods	Autumn	6
PSYC347	Assessment and Intervention	Autumn	6
And two electives, of which there must be at least one of the following:			
PSYC317	Current Issues in Learning and Judgement	Spring	8
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC315	Psychology of Abnormality	Spring	8
PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC354	Design and Analysis	Spring	8

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules. Subjects to the value of 144 credit points are required for the degree.

Psychology and Biology

To complete requirements for the double major in Psychology and Biology, students are required to complete a minimum of 150 credit points of subjects, as outlined in the schedule below.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Honours

Students must complete additional Psychology subjects if they wish to undertake Honours in Psychology. Students should consult the information under Honours in the entry on the Psychology major.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4 year course of study plus 2 years supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects	Session	Credit Points
Year 1		
PSYC121 Foundations in Psychology A	Autumn	6
CHEM101 Chemistry 1A	Autumn	6
PSYC122 Foundations in Psychology B	Spring	6
PSYC123 Theory, Design and Statistics in Psychology	Spring	6
BIOL103 Molecules, Cells and Organisms	Spring	6
BIOL104 Evolution, Biodiversity and Environment	Autumn	6
CHEM102 Chemistry 1B	Spring	6
And one Elective subject	Autumn	6
Year 2		
PSYC231 Personality	Autumn	6
PSYC234 Biological Psychology and Learning	Autumn	6
PSYC236 Cognition and Perception	Spring	6
PSYC241 Developmental and Social Psychology	Spring	6
PSYC250 Quantitative Methods	Autumn	6
Plus 4 subjects (24 credit points) from the following:		
BIOL213 Principles of Biochemistry	Autumn	6
BIOL214 The Biochemistry of Energy and Metabolism	Spring	6
BIOL215 Introductory Genetics	Spring	6
BIOL240 Functional Biology of Plants and Animals	Autumn	6
BIOL241 Biodiversity: Classification and Sampling	Spring	6
BIOL251 Principles of Ecology and Evolution	Autumn	6
MARE200 Introduction to Oceanography	Autumn	6
Year 3		
PSYC347 Assessment and Intervention	Autumn	8
And two electives, which must include at least one of the following:		
PSYC345 Memory and Language	Autumn	8
PSYC349 Visual Perception	Spring	8
PSYC352 Psychophysiology	Spring	8
And may include:		
PSYC315 Psychology of Abnormality	Autumn	8
PSYC318 Change Throughout the Lifespan	Spring	8
PSYC348 History and Metatheory of Psychology	Autumn	8
PSYC350 Social Behaviour and Individual Differences	Not offered in 2007	8

PSYC354	Design and Analysis	Spring	8
Plus three subjects (24 credit points) from the following:			
BIOL303	Biotechnology: Applied Cell & Molecular Biology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL321	Infection and Immunity	Spring	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
BIOL391	Advanced Biology	Autumn/ Spring/ Summer	8
BIOL392	Advanced Biology	Autumn/Spring/ Summer	16
CHEM320	Bioinformatics: From Genome to Structure	Spring	8

Other Information

Students are advised to consult an academic adviser in each discipline about subject selection. Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).

Psychology and Exercise Science

The Psychology and Exercise Science major gives students an opportunity to broaden their expertise, adding a relevant second major to their core focus. The degree requires a minimum of 3 years of full-time study, and the completion of at least 150 credit points as outlined in the Schedule below.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Honours

Students may consider Honours in either Psychology or Exercise Science. Students should consult the information on Honours under the Bachelor of Science.

Professional Recognition

The double major is designed to meet the requirements for entry into Year 4 of the Psychology program within the School of Psychology, and the Honours program in the School of Health Sciences.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC121	Foundations of Psychology A	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BMS211	Foundations of Biomechanics	Autumn	6
PSYC231	Personality	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	PSYC234	Biological Psychology and Learning	Autumn	6																										
	BMS242	Exercise Physiology	Spring	6																										
	PSYC241	Developmental and Social Psychology	Spring	6																										
	PSYC236	Cognition and Perception	Spring	6																										
	PSYC250	Quantitative Methods	Autumn	6																										
Commerce	Year 3																													
	BMS342	Advanced Exercise Physiology	Autumn	8																										
	BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8																										
	BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8																										
	PSYC347	Assessment and Intervention	Autumn	8																										
Creative Arts	And two electives which must include at least one of the following:																													
	PSYC345	Memory and Language	Autumn	8																										
	PSYC349	Visual Perception	Spring	8																										
	PSYC352	Psychophysiology	Spring	8																										
	And may include:																													
Education	PSYC315	Psychology of Abnormality	Spring	8																										
	PSYC318	Change Throughout the Lifespan	Spring	8																										
	PSYC348	History and Metatheory of Psychology	Not offered in 2007	8																										
	PSYC350	Social Behaviour and Individual Differences	Autumn	8																										
	PSYC354	Design and Analysis	Spring	8																										
Students should consult an academic adviser in each program about appropriate sequencing of subjects.																														
Engineering	Other Information																													
	Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).																													
Health & Behavioural Sciences	Psychology and Nutrition																													
	This degree is designed to meet the requirements for entry into Year 4 of the Psychology or the Honours program within the School of Health Sciences. The double major has a minimum requirement of 150 credit points of subjects as outlined in the Schedule below.																													
Informatics	Entry Requirements / Assumed Knowledge																													
	Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.																													
Law	Honours																													
	Students intending to undertake Honours in Psychology should complete the extra subjects required and should consult the information on Honours listed under the Bachelor of Science (Psychology) major.																													
Science	Course Program																													
	<table><thead><tr><th>Subjects</th><th>Session</th><th>Credit Points</th></tr></thead><tbody><tr><td colspan="3">Year 1</td></tr><tr><td>BMS101</td><td>Systemic Anatomy</td><td>Autumn 6</td></tr><tr><td>BMS103</td><td>Human Growth, Nutrition and Exercise</td><td>Autumn 6</td></tr><tr><td>CHEM101</td><td>Chemistry 1A</td><td>Autumn 6</td></tr><tr><td>PSYC121</td><td>Foundations of Psychology A</td><td>Autumn 6</td></tr><tr><td>BMS112</td><td>Human Physiology: Principles and Systems</td><td>Spring 6</td></tr><tr><td>BIOL103</td><td>Molecules, Cells and Organisms</td><td>Spring 6</td></tr><tr><td>PSYC122</td><td>Foundations of Psychology B</td><td>Spring 6</td></tr></tbody></table>				Subjects	Session	Credit Points	Year 1			BMS101	Systemic Anatomy	Autumn 6	BMS103	Human Growth, Nutrition and Exercise	Autumn 6	CHEM101	Chemistry 1A	Autumn 6	PSYC121	Foundations of Psychology A	Autumn 6	BMS112	Human Physiology: Principles and Systems	Spring 6	BIOL103	Molecules, Cells and Organisms	Spring 6	PSYC122	Foundations of Psychology B
Subjects	Session	Credit Points																												
Year 1																														
BMS101	Systemic Anatomy	Autumn 6																												
BMS103	Human Growth, Nutrition and Exercise	Autumn 6																												
CHEM101	Chemistry 1A	Autumn 6																												
PSYC121	Foundations of Psychology A	Autumn 6																												
BMS112	Human Physiology: Principles and Systems	Spring 6																												
BIOL103	Molecules, Cells and Organisms	Spring 6																												
PSYC122	Foundations of Psychology B	Spring 6																												

PSYC123	Theory, Design and Statistics in Psychology	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
PSYC231	Personality	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC234	Biological Psychology and Learning	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC250	Quantitative Methods	Autumn	6
Further elective:			
PSYC249	Applied Psychology	Spring	6
Year 3			
BMS311	Nutrients and Metabolism	Autumn	8
BMS310	Community and Public Health Nutrition	Autumn	8
BMS312	Research in Human Nutrition	Annual	8
PSYC347	Assessment and Intervention	Autumn	8
Plus two electives which must include at least one of the following:			
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC347	Assessment and Intervention	Autumn	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8
PSYC354	Design and Analysis	Spring	8

Other Information

The BSc (Psychology and Nutrition) will normally require a minimum of 6.5 sessions or 3½ years full-time, or part-time equivalent. Students should consult an academic adviser in each program about appropriate sequencing of subjects. Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Bachelor of Science (Nutrition) TAFE Certificate IV in Hospitality (Catering Operations)

Testamur Title of Degree:	Bachelor of Science (Nutrition) TAFE Certificate IV in Hospitality (Catering Operations)
Abbreviation:	BSc(Nutr),TAFE Certificate IV in Hospitality
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	124 cp UOW; 764 hr TAFE
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	749
UAC Code:	757645
CRICOS Code:	Not applicable

Overview

The Bachelor of Science (Nutrition)/TAFE Certificate IV in Hospitality (Catering Operations) combined program provides a sound training in nutritional science and its applications to human nutrition, as well as practical food service management skills.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. Recommended Studies: English Advanced. International students are required to have achieved an IELTS score of 6.5, with a level of 6 in reading, writing, speaking and listening.

Course Requirements

The Bachelor of Science (Nutrition)/TAFE Certificate IV in Hospitality (Catering Operations) combined program, requires students to undertake 4 years of full-time study, the completion of at least 124 credit points from the University of Wollongong, and 764 hours at TAFE

Honours

See entry under Bachelor of Science

Professional Recognition

Graduates would be eligible to be members of the Institute of Hospitality and Healthcare.

Course Program

Subjects	Session	Credit Points
Year 1		
BMS101 Systemic Anatomy	Autumn	6
CHEM101 Chemistry 1A	Autumn	6
PSYC101 Introduction to Behavioural Science	Autumn	6
or		
SOC103 Aspects of Australian Society	Autumn	6
BMS103 Foundations of Human Growth, Nutrition and Exercise	Autumn	6
BMS112 Human Physiology 1: Principles and Systems	Spring	6
BIOL103 Molecules, Cells and Organisms	Spring	6
CHEM102 Chemistry 1B	Spring	6
4500H Hygiene		18 hr
4501M Food Safety Systems		18 hr

4781C	Food Service Systems		36 hr
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
MGMT102	Business Communications	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
POP222	Current Issues in Food and Nutrition	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
4500B	Food Preparation and Service		36 hr
4565A	Practical Catering 1		84 hr
Year 3			
BMS310	Community and Public Health Nutrition	Autumn	8
BMS311	Nutrients and Metabolism	Autumn	8
4565G	Food Service in Practice		90 hr
PHIL380	Bioethics	Spring	8
2642B	Supervision		36 hr
4567A	Catering Supervision in Practice		90 hr
2643D	Staffing Hospitality		27 hr
4571A	Hospitality Colleagues and Customers		24 hr
4571B	Hospitality Industry		18 hr
Year 4			
BMS312	Research in Human Nutrition	Autumn	8
4566A	Practical Catering 2A – Community		36 hrs
4565D	Cook-Chill Catering		27 hr
4501D	Food Service Settings – Aged Care		18 hr
4564A	Catering Commodities		18 hr
6639C	Quality Management in Nutrition Services		18hr
6639A	Administration-Health Care Facilities		36 hr
BMS304	Research Topics in Nutrition and Dietetics	Spring	16
5779F	Food Presentation		10 hr
6634B	Food Service Planning		36 hr
6635A	Australian Cuisine		54 hr
4501K	Work Experience		34 hr

Other Information

Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component.

Double Degrees

- Bachelor of Medical Science - Bachelor of Commerce
- Bachelor of Psychology – Bachelor of Commerce
- Bachelor of Science (Exercise Science) - Bachelor of Commerce
- Bachelor of Science (Nutrition) – Bachelor of Commerce
- Bachelor of Science (Psychology) – Bachelor of Commerce
- Bachelor of Science – Bachelor of Laws (Health and Behavioural Sciences Major)
- Bachelor of Medical Science – Bachelor of Laws
- Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science) – Refer to Faculty of Engineering

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Students may combine their Health and Behavioural Sciences studies with studies in a number of other faculties, and qualify for the award of two degrees. Double degrees are designed for students to complete two degrees in less time than it would normally take. Double degrees are offered with Commerce and Law, and may be available with other faculties after consultation with the Sub-Deans.

- Students must seek advice and approval from both faculties.
- Candidates must satisfy the entry requirements of both degree programs.
- Double degrees, where both degrees are normally of three years duration will be a minimum of 216 credit points and take a minimum of four years to complete.
- Double degrees, where one of the degrees is normally of four years duration will be a minimum of 264 credit points and take a minimum of five years to complete.
- Students may be given exemptions where equivalences exist between subjects.

For all double degrees, candidates are required to complete subjects from the Health and Behavioural Sciences schedule including core subjects, and subjects to satisfy the requirements of one of the Health and Behavioural Sciences majors or degrees. Candidates should be aware that the number of credit points required by each major varies. Candidates must also satisfy the requirements for the second degree, which would usually include a major study.

Additional Information

Criminal Record Checks

As part of the 'whole of government' approach to child protection, the NSW Department of Health requires all students in health related courses to undergo a criminal record check. The criminal record check shall be completed before a student can attend any clinical placement in a Public Health facility. Students need to give their consent to such a check, and will submit a signed consent form through their university. Consent forms are available from universities. Checks are done through the NSW Police Service, and coordinated by the Department of Health. At present there is no cost to either the student or university for this service. When the check is completed the student will be issued with a Clearance Letter, which has to be produced whenever they attend a clinical placement. The Letter must not be photocopied or duplicated in any way. Lost, mislaid or mutilated Clearance Letters are replaced on application from the student with payment of a fee. If a student receives a positive result from the check it will not necessarily exclude them from a clinical placement. Each situation will be individually assessed in a confidential consultation between the student and a representative of the Department of Health.

An additional requirement came into effect with new child protection legislation enacted in July 2000. The university will provide another form to the student called the Prohibited Employment Declaration. The Declaration must also be completed before any clinical placement. The completed and signed declaration is returned to the university and will be held by us. The Health Department does not issue or administer this form.

Infectious Diseases

Students required to complete clinical training in the NSW hospital system will be subject to various guidelines and procedures laid down for health workers by the NSW Department of Health, including guidelines regarding infectious diseases. In the hospital system, you will be exposed to a large number and variety of individuals, some of whom may have a communicable disease such as tuberculosis, measles, mumps, rubella, diphtheria, poliomyelitis, HIV or Hepatitis B. This may place you at risk of acquiring one of these diseases. In other cases, if you have a communicable disease, you may place your clients at risk.

For your protection, and for the protection of your potential clients, you are recommended to have vaccinations before you begin clinical work. Evidence of your vaccination status may be required by certain clinical placements/agencies before attendance. If your vaccinations are incomplete, opportunities for placement may be limited and your progress in the course could be affected. Some categories of health care workers – nurses, doctors, dentists, dental technicians, podiatrists and physiotherapists – also have regulated individual responsibility with regard to infection control. You should familiarise yourself with these responsibilities.

Health care workers who are either HIV antibody positive or Hepatitis B e-antigen or Hepatitis B DNA positive or Hepatitis C PCR positive must not perform exposure prone procedures. Expert medical advice should be obtained by infected people on their infectious status and the extent to which this may limit their clinical practice.

SUBJECT DESCRIPTIONS

ARTS211 Social Science Perspectives on Health and Illness

Autumn	Bega	Flexible
Autumn	Wollongong	On Campus
Autumn	Shoalhaven	Flexible
Autumn	Batemans Bay	Flexible
Autumn	Moss Vale	Flexible

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: SOC111

Subject Description: Australian society provides the context for an examination of the major perspectives that inform the analysis of the social power relations that shape patterns of health and illness and the provision of health care services. Students will apply the theoretical frameworks to contemporary issues in health and illness including the introduction of new technologies, the practical meanings of care for different health professions and representations of health and illness in the popular media. The focus on small group learning activities means students have an opportunity to share knowledge and develop their ideas together.

BEXS351 Exercise Prescription 1: Strength and Conditioning

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: BMS203 and BMS242

Co-requisites: None

Subject Description: This subject applies knowledge from areas of functional anatomy, exercise physiology, biomechanics and exercise science practice to the design of safe, beneficial and functional resistance programs to healthy populations in the community and the work place.

BEXS352 Exercise Prescription 2 - Aerobic Fitness

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: BMS242 or EDUP234

Co-requisites: None

Subject Description: This subject addresses the range of skills and strategies appropriate for the design and implementation of exercise regimes in normal populations across the age spectrum. It involves the design of programs to improve aerobic fitness and includes information related to exercise sequencing, and developing appropriate intensity of exercise on the basis of field and laboratory based test results. Strategies for prescribing exercise within the populations noted earlier will also be included within this subject material.

BEXS402 Exercise For Special Populations

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: BEXS451 and BEXS452

Co-requisites: None

Subject Description: This subject assumes knowledge and skills covered in Advanced Exercise Physiology, Exercise Prescription I & II and extends information presented in Exercise Rehabilitation 1 & 2. The impact of selected pathologies on human performance

and the effect of acute and chronic exercise on the pathology and on health of the individual require investigation, understanding and consideration by Exercise Scientists. Exercise test protocols and program delivery techniques specific to the needs of Special Populations in the community will be addressed. Techniques for planning and implementing interventions designed to address specific functional fitness problems in Special Populations will be explained. The relative merits of particular tests of physiological function in these populations will also be discussed.

BEXS403 Ergonomics In Practice

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: None

Co-requisites: None

Subject Description: This subject introduces students to the discipline of ergonomics. The subject is designed to provide an overview of ergonomics to provide understanding and basic skills. This subject is particularly useful for OHS practitioners and those interested in further study of ergonomics and human factors. The Discipline of Ergonomics (or human factors) is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance. Ergonomists contribute to the design and evaluation of tasks, jobs, products, environments and systems in order to make them compatible with the needs, abilities and limitations of people.

BEXS411 Practicum in Exercise Science A

Autumn	Wollongong	On Campus
Annual	Wollongong	On Campus

Credit Points: 8

Pre-requisites: BEXS351 and BEXS352

Co-requisites: BEXS451 and BEXS452

Subject Description: This subject assumes knowledge and skills covered in the first three years of the Exercise Science degree and provides information related to the various environments in which Exercise Scientists operate. Consisting largely of a monitored placement within setting in which Exercise Science is delivered to members of the community, techniques for planning and implementing appropriate interventions will be applied. Exercise programs specific to the needs of these clients will thus be designed and managed by the student. Practical skills related to exercise testing, prescription and management of the entire exercise science intervention will be rehearsed, demonstrated and applied by students enrolled in this subject.

BEXS412 Practicum in Exercise Science B

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 8

Pre-requisites: BEXS411 or BMS354 and BEXS451 and BEXS452

Co-requisites: BEXS402

Subject Description: This subject assumes knowledge and skills covered in all areas of the Exercise Science degree. It consists of an extensive clinical placement which provides the student with the opportunity to

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	utilise the skills and competencies developed over seven semesters at the University. Techniques for planning and implementing appropriate activity programs will be applied to a larger population of clients with increased heterogeneity of functional fitness and a range of pathologies. Exercise programs specific to the needs of a range of clients will thus be designed and managed by the student. Practical skills related to exercise testing, prescription and management of the entire process will be rehearsed and behaviours consistent with those often emerging professional will be demonstrated by students enrolled in this subject.
Commerce	
Creative Arts	BEXS451 Exercise Rehabilitation 1: Musculoskeletal Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: BEXS351 and BMS203 Co-requisites: None Subject Description: This subject extends the study of exercise rehabilitation providing revision related to the structure and function of major joints and introduces common pathologies, mechanisms and outcomes. The subject covers information related to evaluation of the injured site and the design and management of appropriate exercise rehabilitative techniques designed to improve functional capabilities and prevent reinjury.
Education	BEXS452 Exercise Rehabilitation 2: Cardiorespiratory and Neurological Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: BEXS352 & BMS346 & BMS344 for 851A students; BEXS352 & BMS346 or BMS344 for 574 students. Other students will need approval from course coordinator Co-requisites: None Subject Description: This subject investigates the use of exercise as a clinical rehabilitative tool for patients with cardiovascular or neurological pathologies. The subject covers information related to evaluation of the pathology and the design and management of appropriate exercise rehabilitative techniques to improve functional capabilities and enhance quality of life.
Engineering	
Health & Behavioural Sciences	
Informatics	BMS 101 Systemic Anatomy Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: EDUP131 Subject Description: This subject provides an introduction to the area of human gross anatomy through the study of each of the major systems of the body. In weekly practical sessions, students are exposed to anatomical structure through examination of cadaveric specimens, radiographic images, histological slides, audiovisual materials and anatomical models. Major topics include the skeletal, muscular, nervous, cardiovascular, respiratory, digestive and urogenital systems.
Law	
Science	BMS 103 Human Growth Nutrition and Exercise Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None

Co-requisites: None

Subject Description: This subject will consider the relationship between growth (physical and maturational), nutritional health and exercise on various lifestyle performance indicators, such as motor skills and disease. The characteristics and determinants of growth, nutrition, health and exercise throughout the lifespan will be reviewed and will be examined from morphological, physiological and neural perspectives.

BMS 112 Human Physiology 1: Principles and Systems

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: EDUP132

Subject Description: This subject is designed to provide students in Medical Science, Health Science, Nutrition, Exercise Science and other Science-based degrees with an introduction to the major physiological systems operating in the human body, and to the underlying cellular physiology and metabolism. Topics covered include the muscular, cardiovascular, respiratory, neural, endocrine, reproductive and digestive systems. Practicals provide a way to develop basic measurement skills (e.g. taking blood pressure) and to demonstrate physiological principles introduced in lectures. Tutorials will serve to revise and reinforce lecture material and encourage integrative thinking about physiological interactions by working through a series of study questions.

BMS 200 Histology

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BMS101 or BMS112

Co-requisites: None

Exclusions: BMS102

Subject Description: This subject provides an introduction to the structure and function of mammalian cells, tissues and organs. The practicals and lectures will emphasise functional histology. Students will examine cell ultrastructure, gain an appreciation of histological methods and acquire a detailed understanding of the major tissue types and how these tissues are integrated to produce the functional characteristics of all the major organs/systems of the body. These include the cardiovascular, lymphatic, immune, integumentary, respiratory, digestive, urinary, endocrine and reproductive systems.

BMS 202 Human Physiology II: Control Mechanisms

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BMS112 OR EDUP132

Co-requisites: None

Subject Description: This subject is an extension of Human Physiology I (BMS112 or EDUP132) and covers material essential to the understanding of physiological regulation. While topics may vary from year to year, these will typically include the fundamentals of neurophysiological and endocrine control, with detailed treatment of cardiovascular, respiratory, metabolic and renal system control. Regulatory abnormalities accompanying certain pathological states are also emphasised.

BMS 203 Musculoskeletal Functional Anatomy

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BMS101 and BMS211

Co-requisites: None

Subject Description: This subject investigates the musculoskeletal system from a functional anatomical viewpoint. Topics include the anatomy and function of synovial joints and the role of skeletal muscle in the performance of movements such as walking, running and prehension. Emphasis will be placed upon integrating the anatomical structures of the musculoskeletal system to better understand the principles of human motion. Students will be introduced to assessment of musculoskeletal function including movement analysis, anthropometry, gait analysis and electromyography.

BMS 204 Introduction to Pathophysiology

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BMS202

Co-requisites: None

Subject Description: This subject introduces the student to the study of the physiological basis of human disease states. There are four parts to this course including: pathophysiology at the cellular level; nutrition anaemias and lower digestive system; musculoskeletal system; and cardiovascular system. Topics include fluid and electrolyte imbalance acid/base imbalance and coeliac disease, ulcerative colitis, Crohn's disease, musculoskeletal system, dyslipidaemia and atherosclerosis.

BMS 210 Measurement and Assessment of Diet and Activity

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BMS103 AND BMS202

Co-requisites: None

Subject Description: This subject examines the various methods used to measure dietary intake and physical activity in populations and healthy individuals, how to assess these measurements against national and international standards, and how to make recommendations for improvement. Topics covered will include the validity and reliability of different methods, use of biomarkers, body composition analysis, calorimetry, estimations of energy requirements, the use of food composition databases, and the planning and use of national surveys for monitoring and evaluation.

BMS 211 Foundations of Biomechanics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BMS101 or EDUP131

Co-requisites: None

Exclusions: EDUP235

Subject Description: This subject introduces fundamental biomechanical principles to provide a basis for understanding the causes and effects of human motion. The subject is an extension of the basic principles of human structure and function studied in Systemic Anatomy and will include: (i) an introduction to analysis of movement; (ii) basic biomechanical principles of motion; and (iii) subjective analysis of movement.

BMS 242 Exercise Physiology

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BMS202

Co-requisites: None

Subject Description: This subject extends the study of human structure and function into the work and exercise domains. Areas to be studied include energy liberation and metabolism, applied muscle physiology and applied cardiorespiratory physiology.

BMS 300 Anatomy II (Regional Anatomy)

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: BMS101 or EDUP131

Co-requisites: None

Subject Description: This course will teach detailed morphology and general pathology of human visceral organs. Clinical symptoms caused by visceral organ diseases will be explained in relation to particular region. It is a very practical course and leans towards advanced anatomy and common visceral organ diseases. The course will provide you with a detailed morphology of the head, neck, thorax, abdomen, and pelvis with particular emphasis upon the viscera. Hence, it is a necessary pre-requisite for students to have the knowledge of system anatomy (BMS101-Systemic Anatomy). You will be led, step by step, to learn the gross morphology of individual regions. The regional anatomy differs from the systemic anatomy because it focuses on the specific region linking to the understanding of the clinical problems. During the lecture you will be told firstly the location of the specific organ and its neighbouring structures, and then their blood supply, venous and lymphatic drainage, and nerve innervation. We then describe relevant visceral organ pathology and to certain extend of histology. Finally, common clinical symptoms to that specific region will be introduced. The knowledge you learn from this course will allow you to explain some common clinical health problems, which you may meet in day-to-day life. During the practical classes we will teach tissue-dissection skills and how to localise the projections of visceral organs.

BMS 302 Research Topics

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: BIOL214 and BMS202; or credit average and permission of subject coordinator.

Co-requisites: None

Subject Description: This subject provides an opportunity for students to participate in a research project in one of the discipline areas; Biomedical Science, Exercise Science and Rehabilitation, Nutrition and Dietetics or Occupational Health and Safety. Students should gain experience in experimental design, data collection, analysis and interpretation and report writing plus oral and poster presentation. The subject is particularly recommended for students intending to undertake further under- or post-graduate research based studies.

BMS 303 Research Topics in Exercise Science

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: BEXS352

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Co-requisites: None</p> <p>Subject Description: This subject should provide an opportunity for students to conduct a research project in one of the following broad areas of Exercise Science: Exercise Physiology, Biomechanics, Functional Anatomy, Exercise Rehabilitation and Motor Control and Dysfunction. Topics covered will include research design, development of research hypotheses and research proposal documents, data collection and analysis, statistical and spreadsheet software packages and the interpretation of research data within a final research report.</p>	<p>BMS 312 Research in Human Nutrition</p> <p>Autumn Wollongong On Campus</p> <p>Annual Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: STAT151 or STAT252, and BMS210</p> <p>Co-requisites: None</p> <p>Subject Description: This subject will introduce students to a range of key areas of research in human nutrition. Beginning with an overview of nutrition research and the development of literature reviews, topics will include diet intake methodology, the use of nutrient databases, biomedical assays and indicators, epidemiological and ethnographic approaches as they relate to nutrition.</p>
Commerce	<p>BMS 304 Research Topics in Nutrition and Dietetics</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 16</p> <p>Pre-requisites: BMS312</p> <p>Co-requisites: None</p> <p>Subject Description: The subject will introduce students to specific areas of research practice in the field of nutrition and dietetics. Topics will be negotiated based on the current research activities of the metabolic research centre and its associates. Students will join a particular project and undertake certain tasks under the supervision of a designated staff member. Students will be required to collect and analyse data and report on their findings to the research team.</p>	<p>BMS 313 Nutrition and Food Innovation A</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: CHEM215 AND BMS103</p> <p>Co-requisites: None</p> <p>Exclusions: BMS314 AND SFC904</p> <p>Subject Description: This subject introduces students to the use of technologies that underpin the development of the contemporary Australian food supply to achieve a health outcome. These include, but are not limited to, functional foods and genetic modification and its applications in food production, the impact of these applications such as in feeding programs on livestock and/or plant agricultural practices, issues concerning trends for new food delivery systems such as home meal solutions or ready to eat meals and related food safety concerns, and the use of risk assessment frameworks in food regulation. The overall impact of the use of biotechnology and new food production technologies based on nutrition principles and research on the food supply system will be reviewed.</p>
Creative Arts		
Education	<p>BMS 310 Community and Public Health Nutrition</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: PHN203 or POP222</p> <p>Co-requisites: None</p> <p>Subject Description: Key areas of community and public health nutrition include nutrition surveillance, food policy, program planning and health promotion. There will be a focus on community nutrition practice, covering such topics as maternal and infant nutrition, school based nutrition programs, diabetes education and the health of older people in the community. Submission of some assignment work via WebCT Vista.</p>	<p>BMS 314 Nutrition and Food Innovation B</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: CHEM215 AND BMS103</p> <p>Co-requisites: None</p> <p>Exclusions: BMS313 AND SFC904</p> <p>Subject Description: This subject introduces students to the use of technologies that underpin the development of the contemporary Australian food supply to achieve a health outcome. These include, but are not limited to, genetic modification and its applications in food production, the impact of these applications such as in feeding programs on livestock and/or plant agricultural practices, issues concerning trends for new food delivery systems such as home meal solutions or ready to eat meals and related food safety concerns, and the use of risk assessment frameworks in food regulation. The overall impact of the use of biotechnology and new food production technologies based on nutrition principles and research on the food supply system will be reviewed.</p>
Engineering		
Health & Behavioural Sciences	<p>BMS 311 Nutrients and Metabolism</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: BIOL214 and BMS202; or equivalent</p> <p>Co-requisites: None</p> <p>Exclusions: GHMA931</p> <p>Subject Description: This subject covers the need for nutrients and how the human body metabolises these nutrients. It begins with basic concepts such as bioavailability of nutrients from food. It then focuses on specific nutrients, namely protein and fat quality, folate and B vitamins, calcium and bone health, and soy phytoestrogens, most of which do not have recommended dietary intakes (RDIs). The overall aims are 1) to understand the relationships between intake of nutrients and health status and 2) to develop an appreciation for the development of an RDI for a nutrient. Please note that this is a core subject for all of the University of Wollongong's nutrition degrees and hence it is tailored for nutrition students.</p>	<p>BMS 341 Clinical Biomechanics</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: BMS211 or EDUP235, and BMS203. The top 30 students, based on their final grades for these prerequisite subjects, will be admitted to the subject.</p> <p>Co-requisites: None</p> <p>Subject Description: This subject aims to extend the student's knowledge of musculoskeletal functional</p>
Informatics		
Law		
Science		

anatomy and biomechanics attained in BMS203 and BMS211, respectively, and to apply this knowledge in learning how to quantitatively assess human movement. Emphasis within the subject will be directed towards developing the required knowledge and skills to be able to measure, analyse and interpret data characterising both normal and pathological human motion. The subject will consist of the following content: (a) measurement in Exercise Science; (b) quantitative methods of analysing human motion including anthropometry, kinematic analysis, kinetic analysis (dynamometry and inverse dynamics), electromyography, pressure measurement, and balance assessment; (c) theoretical and practical concerns in processing raw data characterising human motion; and (d) clinical applications of quantifying human motion.

BMS 342 Advanced Exercise Physiology

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: BMS242

Co-requisites: None

Subject Description: While contemporary humans are adapted to a more sedentary lifestyle, exercise provides a stimulus that pushes physiological function to extreme levels, providing a unique window through which the impact of stress upon human function may be explored. The knowledge of physiological function during rest and exercise stress, under various environmental conditions, is important as a basis for the optimisation of human existence, and, as such, forms an integral part of a sound physiological curriculum. The theme of this subject is to develop an understanding of physiological function under stress across the age and health spectra in groups that include the elderly, adolescents, workers, athletes and those with underlying pathological states.

BMS 344 Cardiorespiratory Physiology

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: BMS202

Co-requisites: None

Subject Description: Typical content: Cardiovascular physiology: including the ionic basis of cardiac electrical activity and contraction, the electrocardiogram, peripheral vascular system, regulation and control of heart and vascular function, and cardiovascular responses to stress within normal and abnormal function. Also covers the pathophysiology and treatment of hypertension, heart failure and cardiac arrhythmia. Respiratory physiology: including structure, ventilation and diffusion, pulmonary blood flow, ventilation-perfusion relationships, gas transport to the periphery, the pulmonary pump, control of ventilation and responses to stress within normal and abnormal function.

BMS 345 Advanced Topics in Pathophysiology

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: BMS204

Co-requisites: None

Subject Description: This subject introduces students to scientific research within the area of pathophysiology. Topics will vary from year to year depending upon the availability of staff but all will emphasise current literature investigating the physiological mechanisms

underlying human disease states. The subject is particularly designed for exceptional students who may be contemplating entering a postgraduate research program at the completion of their degree.

BMS 346 Motor Control and Dysfunction

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: BMS202 or BMS352

Co-requisites: None

Subject Description: The subject is designed primarily for Exercise Science students. This subject will provide knowledge of the neurophysiological basis of the control of both normal, and dysfunctional human motion. Topics covered will include an in-depth study of the anatomy and neurophysiology of the motor control system, the neurophysiological basis of the major disorders of human motion and techniques for the recording and analysis of normal and abnormal movement patterns.

BMS 352 Fundamentals of Neuroscience

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: BIOL103 or BMS112

Co-requisites: None

Subject Description: Students should gain familiarity with the physiology and the anatomy of the central nervous system. Labs will consist of a detailed study of the functional anatomy of the human brain, including tracing sensory and motor pathways and understanding neuroanatomical techniques. In addition to integrating anatomical function, lectures include aspects of neural development, molecular and cellular mechanisms of signal transmission, CNS coordination with autonomic and neuroendocrine systems and the study of the neural bases for selected behaviours and neurological disorders.

BMS 354 Practicum in Exercise Science

Annual Wollongong On Campus

Credit Points: 8

Pre-requisites: BMS203 and BMS242

Co-requisites: BEXS351 and BEXS352

Subject Description: Students should gain practical experience and expertise in the application of the knowledge base acquired in Exercise Science. This practicum will emphasise the utilisation of exercise as an intervention to maintain and improve the health and fitness of apparently healthy individuals. Specific problems related to human performance in the sport and health care industry, will be addressed using a multidisciplinary approach.

BMS 401 Honours

Annual Wollongong On Campus

Spring2007/Autumn2008 Wollongong On Campus

Credit Points: 48

Pre-requisites: Minimum credit average in the last year of the undergraduate program

Co-requisites: None

Subject Description: The student will be required to write a research proposal and a thesis on an approved topic embodying the results of their supervised research. In addition, the student will be required to participate in a seminar program.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	BMS 402 Joint Honours in Biomedical Science and Another Discipline Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: Minimum credit average in final year of undergraduate program Co-requisites: None Subject Description: Students enrolling in this subject will be required to write a research proposal and a thesis on an approved topic embodying the results of their supervised research. In addition, the student will be required to participate in a seminar program.		
Commerce	BND 433 Communication in Health Care Practice Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: None Co-requisites: BND434 or GHMA934 Exclusions: GHMA933 and GHMA929 Subject Description: The subject will introduce students to the theory and practice of communication in the professional work environment, emphasising successful communication in a range of contexts. These include client counselling, small group education, community consultation, participation in meetings, working with the media and conflict resolution. In order to promote teamwork and group skills, the subject is taught on a small group basis, and the student should prepare for each activity. In order to promote an understanding of how people learn in small groups, students are asked to keep a reflective journal and to critique the process at the completion of the subject.		
Creative Arts	BND 434 Dietetics Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: BMS311 and BMS312 Co-requisites: BMS310 Subject Description: Dietetics concerns the manipulation of food and dietary data with the aim of supporting nutritional health. This subject focuses attention on the nutritional needs of individuals, in clinical and community health settings, where nutritional intervention will improve or support the quality of life. This subject will draw upon much of your undergraduate and postgraduate studies. In particular you should revise your understanding of nutrition through the life cycle, human physiology and metabolic biochemistry.		
Education	BND 435 Food Services and Dietetics Management Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: BMS310 OR BMS311 OR BMS312 Co-requisites: None Subject Description: This subject is an introduction to the management food service operations and hospital dietetic departments. It will focus on the development of small and large scale cooking skills, menu planning and standard recipe manipulation in keeping with dietetic modifications. It will also develop the necessary skills and knowledge base to assist in and/or manage the provision of meals via an institutional food		
Engineering	BND 437 Practical Studies in Nutrition and Dietetics Autumn Wollongong On Campus Spring Wollongong On Campus Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: BND433 and BND434 and BND435 Co-requisites: None Exclusions: GHMA937 Subject Description: This subject comprises a practicum of at least 16–20 weeks duration which is spent in hospitals, community health centres, and other food-related organisations. Students will be under the supervision of experienced practitioners appropriate to the placement requirements. This placement is designed to develop the student's skills and competencies in a range of areas including specialised therapeutic diets and the provision of community nutrition programs. It also provides the students with opportunities to rehearse and demonstrate both interviewing and counselling skills, as well as information and behaviours required to allow the Dietitian to operate as an independent professional. Awareness of, and behaviours consistent with the knowledge of ethics requirements, confidentiality, accountability and other responsibilities of the autonomous professional operating either independently or as a member of a multidisciplinary team should be demonstrated by the student.		
Health & Behavioural Sciences	EDUP131 Systemic Anatomy Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: BMS101 Subject Description: This subject provides an introduction to the area of human gross anatomy through the study of each of the major systems of the body. In weekly practical sessions, students are exposed to anatomical structure through examination of cadaveric specimens, radiographic images, histological slides, audiovisual materials and anatomical models. Major topics include the skeletal, muscular, nervous, cardiovascular, respiratory, digestive and urogenital systems.		
Informatics	EDUP132 Physiology I Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: BMS112 Subject Description: This subject is designed to provide students in Medical Science, Health Science, Nutrition, Exercise Science and other Science-based degrees with an introduction to the major physiological systems operating in the human body, and to the underlying cellular physiology and metabolism. Topics covered include the muscular, cardiovascular, respiratory, neural, endocrine, reproductive and digestive systems. Practicals provide a way to develop basic measurement skills (e.g. taking blood pressure) and to demonstrate physiological		
Law			
Science			

service. Aspects of organisational design, leadership, motivation, negotiation, resource management, decision making and power will be explored.

principles introduced in lectures. Tutorials will serve to revise and reinforce lecture material and encourage integrative thinking about physiological interactions by working through a series of study questions.

EDUP234 Exercise Physiology

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP132

Co-requisites: None

Subject Description: This subject extends the study of human structure and function into the work and exercise domains. Areas to be studied include energy liberation and metabolism, applied muscle physiology and applied cardiorespiratory physiology.

EDUP235 Biomechanics For Educators

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: EDUP131 or BMS101

Co-requisites: None

Exclusions: BMS211

Subject Description: This subject introduces fundamental biomechanical principles to provide a basis for understanding the causes and effects of human motion. The subject is an extension of the basic principles of human structure and function studied in Systemic Anatomy and will include: (i) an introduction to analysis of movement; (ii) basic biomechanical principles of motion; and (iii) subjective analysis of movement.

MEDI601 Medicine 1

GSM Ph1 S1 Wollongong On Campus

GSM Ph1 S1 Shoalhaven On Campus

GSM Ph1 S2 Wollongong On Campus

GSM Ph1 S2 Shoalhaven On Campus

Credit Points: 24

Pre-requisites: None

Co-requisites: None

Subject Description: The subject focuses on four themes in an integrated process of delivery: medical sciences, clinical competency, research and critical analysis and personal and professional development. Medical sciences forms a central part of the subject. Its emphasis is on basic, clinical, behavioural, and population health sciences delivered through a curriculum organized around body systems and presented in relation to clinical problems. Clinical competency covers clinical, procedural and interpersonal skills and involves a variety of activities designed to prepare students for the process of clinical interaction with patients. The emphasis is on basic competencies in communication and consultation, including history-taking, conduct of a physical examination, interpretation of investigations and documentation of the results. Research and critical analysis will be learned through individual and group work arising out of the integrated learning activities or related problems. Personal and professional development activities are designed to foster reflective practice as a foundation competency for professional life. Students will develop their knowledge base of biological, psychological and social science and population health through a combination of Integrated Learning Activities, lectures, tutorials, large group clinical demonstrations, clinical skills

and anatomy laboratory activities, guided independent learning and clinical placement experiences in general practitioner offices, hospitals, and community agencies.

NURS100 Foundation Studies

Intake C Wollongong On Campus

Intake D Bega On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The aim of this subject is to introduce students to different types and sources of knowledge that can be used in nursing. Specifically the issues dealt with will be examined in relation to the responsibility of a registered nurse and safe practice. Information literacy will be intertwined throughout the subject.

NURS127 Human Physiology for Nursing: Principles & Systems

Autumn Wollongong On Campus

Autumn Bega On Campus

Credit Points: 6

Pre-requisites: Enrolled in Nursing degree program

Co-requisites: None

Exclusions: BMS112 AND EDUP132

Subject Description: This subject is designed to provide a theoretical foundation and context for the entire nursing course. The student is introduced to the study of the human being in health and illness and the many factors that influence the functioning of the human body. While its main focus is an introduction to human anatomy and physiology it also seeks to introduce students to the nature of nursing, the development of nursing as a profession, the societal and cultural context of nursing and the nature of nursing knowledge. Models of nursing will be explored and students will begin to develop a philosophy of nursing that has meaning for them.

NURS162 Effective Communication in Health Care Relationships

Autumn Bega On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject aims to provide students with: an introduction to theoretical concepts of interpersonal communication and understanding; the importance of interpersonal skills in health care; the concept of self-awareness; and the therapeutic use of self in the professional relationships. The content of this subject will be presented in a variety of methods. The three essential strands will run concurrently. Each is of equal importance and interrelates much like the intertwining strands of a rope designed for the purpose of creating strong communication links in health professional relationships.

NURS163 Fundamentals of Nursing

Autumn Wollongong On Campus

Autumn Bega On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will provide a

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	foundation for safe and effective nursing practice for all other nursing care subjects. It will introduce students to the roles and functions of the nurse and critical thinking skills. The theoretical foundation provided will promote the development of clinical skills and reflective practice. Application of these skills and practices will occur in supervised clinical practicum in appropriate areas.		
Commerce	NURS164 Patterns of Knowing in Nursing Autumn Bega On Campus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: The general aim of this subject is to introduce students to different types and sources of knowledge capable of being used in nursing. Specifically, this subject will deal with ethical issues in nursing and the fundamental knowledge of common law and legislation required for safe practice. Topics to be discussed include: ethical and legal responsibilities and nurses; tensions between personal ethical commitments and legal obligations; the relationship between nurses' knowledge, and ethical and legal obligations.		
Creative Arts			
Education	NURS165 Primary Health Care Nursing Spring Wollongong On Campus Spring Bega On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject will examine the Primary Health Care Model of health as described by the World Health Organisation, and will explore the nurse's role within the model. The focus of this subject will be the exploration of the nurse's role in the promotion of health for individuals, families and communities. Nurses will gain skills in health promotion and the planning and evaluation of health promotion activities.		
Engineering			
Health & Behavioural Sciences	NURS166 Medical/Surgical Nursing 1 Spring Wollongong On Campus Spring Bega On Campus Credit Points: 6 Pre-requisites: NURS163, NURS127 or BMS 112 Co-requisites: SCIE122 or BIOL103 Subject Description: This subject is designed to build upon the content of NURS163 Fundamentals of Nursing in that it examines the prescription of nursing care once client needs have been established using holistic nursing assessment criteria. In doing so it seeks to prepare participants for supervised clinical practice in medical/surgical settings throughout the total programme.		
Informatics			
Law	NURS227 Human Bioscience 3 Autumn Bega On Campus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: SCIE122 or BIOL103 and NURS127 or BMS 112 Co-requisites: None Subject Description: This subject is designed to enhance the student's understanding of the structure and functioning of the human body. It builds on and expands on material presented in the first year of the course. As this is a course designed for nursing		
Science			

students the major emphasis is on physiology rather than anatomy. All the organ systems of the human body are studied and appropriate links are made with both pathophysiology and human development.

NURS240 Current Services in Aboriginal Health

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject provides an overview of the relationship between issues of social justice, Indigenous health and current health services in Australia. Political, economic and historical aspects of health services will be considered, together with issues related to Indigenous self-determination. The subject will also focus specifically on the development of knowledge and understandings in relation to community control and in the community development process.

NURS242 Functional Community Structures

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will provide an overview of and opportunity for discussion in relation to strategic planning in Indigenous community health contexts. The focus will be on comparative analysis of the complex factors involved in community health. The emphasis will be on practices associated with planning, implementation and evaluation. The student will also have the opportunity to focus specifically on Indigenous programs; and to examine Indigenous definitions, articulation of issues and control of planning processes.

NURS243 Comparative Indigenous Health Issues

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: The aim of this subject is to provide a comparative discourse on Indigenous health issues. The subject focuses on a historical and comparative analysis of the complex factors involved primarily in the Australian context. There is opportunity for critical interrogation of the rhetoric and practices associated with Indigenous health and with self-determination. The subject examines Indigenous definition and articulation of problems; as well as strategies for addressing the issues. There is also a comparison of specific health issues with those of indigenous peoples in North America and New Zealand.

NURS262 Medical/Surgical Nursing 2

Autumn Bega On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: NURS 166

Co-requisites: None

Subject Description: Medical/Surgical Nursing 2 is a clinically orientated subject that will require the student to integrate concepts related to the biophysical, pathophysiological, pharmacological, psychosocial and

cultural diversity dimensions of individuals and families. This subject will provide the student with an opportunity to apply their understanding of the control mechanisms of the body that maintain homeostasis and coordination and relate these to fluid and electrolyte balance, renal function, neurological and endocrine control and movement. This subject includes the study of normal and abnormal pathophysiology across the life span. This subject will also examine in detail the role of the nurse in assessing people with alterations in fluid and electrolyte balance, renal function, coordination, control and movement: identifying actual and potential problems for these people, making clinical decisions within a professional, ethical and legal framework; and collaborative care incorporating relevant diagnostics and therapeutics.

NURS263 Mental Health Nursing 1

Autumn Bega On Campus
Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: NURS162, NURS166

Co-requisites: None

Subject Description: This subject will introduce the students to the concept of mental health, mental disorders and the provision of care for people who are affected by these disorders. Students will be given an overview of the forces that have shaped mental health services in Australia today. The subject will cover the affects that various mental disorders and substance related disorders have on the population and the impact this has on nurses working in the health field.

NURS264 Reflection and Practice

Spring Wollongong On Campus
Spring Bega On Campus

Credit Points: 6

Pre-requisites: NURS162, NURS166

Co-requisites: None

Subject Description: This subject has three main foci: the development of skills of reflection, not only directly on clinical nursing practice but within the student as a person in general; the development of critical thinking skills, particularly in relation to logical thought and the recognition of logical argument within the work of others; and, the development of skills in presenting logical arguments to others. It builds on skills dealt with earlier in the programme related to the identification, accessing and evaluation of clinically relevant literature. It therefore serves to provide an insight into the concept of 'intellectual craftsmanship' and its relevance to nursing practice.

NURS265 Nursing Therapeutics

Spring Wollongong On Campus
Spring Bega On Campus

Credit Points: 6

Pre-requisites: NURS166

Co-requisites: None

Exclusions: NURS226

Subject Description: Nursing therapeutics further develops insights into the nurses role in administering medications and the use of alternate therapies in care of the patient. Pharmacokinetics will serve as the basis for examining major drug groups with particular emphasis on patient education about drugs, side effects, toxic effects and manifestations, and drug interactions. Alternative therapies

shall also be explored in relation to the amelioration of patient problems in collaboration with and separate from allopathic therapies. These alternative therapies will include herbal medications, vitamin and mineral supplementation, naturopathy, aromatherapy, therapeutic touch, meditation and acupuncture. Overall the intention is to enable students to consider ways in which the ethos underpinning alternative therapies (eg, Holism and client-centredness) can and should be expanded into care.

NURS266 Medical/Surgical Nursing 3

Spring Wollongong On Campus
Spring Bega On Campus

Credit Points: 6

Pre-requisites: NURS166, NURS227

Co-requisites: None

Subject Description: Medical/Surgical Nursing 3 is a clinically orientated subject that will require the student to integrate concepts related to the biophysical, pathophysiological, pharmacological, psychosocial and cultural diversity dimensions of individuals and families. This subject will provide the student with an opportunity to apply their understanding of the control mechanisms of the body which maintain homeostasis and coordination and relate these to people with alterations in oxygenation, perfusion, ingestion and elimination. This subject includes the study of normal and abnormal pathophysiology across the life span. This subject will also examine in detail the role of the nurse in assessing people with alterations in oxygenation, perfusion, ingestion and elimination: identifying actual and potential problems for these people, making clinical decisions within a professional, ethical and legal framework; and collaborative care incorporating relevant diagnostics and therapeutics.

NURS267 Family and Maternal Health Nursing

Spring Wollongong On Campus
Spring Bega On Campus

Credit Points: 6

Pre-requisites: NURS166 and NURS262

Co-requisites: NURS266

Subject Description: The subject will introduce the student to concepts of family in its contemporary forms and to skills that will enable them to effectively care for women and their babies during the childbearing period, under the supervision of certified midwives. It will describe physical and psychological changes that occur in a variety of pregnancy circumstances. The nurses' role in the family's experience of pregnancy and childbirth will be explored and professional, legal, ethical and cultural diversity will be discussed. Factors affecting family health will be addressed in the context of the childbearing period and early childhood.

NURS322 Developmental Disability Nursing

Autumn Wollongong On Campus
Autumn Bega On Campus

Credit Points: 6

Pre-requisites: NURS262, NURS263, NURS265, NURS266, NURS267

Co-requisites: None

Subject Description: Provides a theoretical and practical introduction to the field of developmental disability practice. Particular focus will be given to

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

issues concerning social inclusion; a client centered approach to service provision; health care, including ageing; communication and family support.

NURS325 Community Development Nursing: Theory and Practice

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will focus on the nurse as an educator to optimise the independence of people as they move from an institutional setting and back into the community. Students will examine the broader scope of health professionals and will build upon concepts learned in previous subjects. Special emphasis will be placed on working across cultures.

NURS327 Health and Human Ecology

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: NURS243 and/or NURS240

Co-requisites: None

Subject Description: This subject provides an overview of and an opportunity for discourse on key factors to be considered in environment, health and planning for urban, rural and remote Indigenous communities. There is a focus on the requirements of public health policy and legislation. There is also a critical interrogation of the relationship between the environment and issues of public and community health. Issues such as research, environmental racism, health settings, access to public health facilities, and population stresses will be examined in the light of their impact on allocation of health resources and service delivery.

NURS328 Management in Nursing

Spring Wollongong On Campus

Spring Bega On Campus

Credit Points: 6

Pre-requisites: NURS266, NURS267

Co-requisites: None

Subject Description: This subject is designed to introduce to the students relevant management issues that will be important during their first year of practice, and later when they are required to take a leading role in the management of resources and staff. The content will examine the professional nurse work practices in relation to: a Model of Management, Health Care Systems / organisations, Nursing Care Delivery Systems, Patient Acuity & Ward Staffing, Managing Change – particularly managing the transition from a university culture to practicing as a professional nurse in hospital settings, Time Management, Information Systems in Health Care, and Evaluation of Work Practices.

NURS331 Research For Registered Nurses

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: A commitment to research based care is essential within nursing and midwifery, both for improved standards of care and the development of curious and critical practitioners. In order to make their commitment to research a reality, practitioners

require not only insight into research methodologies, but also the ability to critically analyse existing research. Strategies for increasing research awareness and widely disseminating existing findings should also be clearly understood. The focus of this subject therefore is the development of research appreciation and application skills, not the production of research workers.

NURS341 Research in Indigenous Health

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: NURS243

Co-requisites: None

Subject Description: This subject provides students with an opportunity to identify and analyse specific issues in relation to Indigenous research. These issues include cultural and intellectual property rights, research ethics, contested knowledges; and the role of research in community development. The subject explores the notion of research in Indigenous health frameworks as a community-controlled endeavour; and introduces the practices of various research methodologies including action research and participatory planning.

NURS343 Indigenous Community Health: Mental Health Issues

Not on offer in 2007

Credit Points: 6

Pre-requisites: NURS243 or NURS344

Co-requisites: None

Subject Description: The health and health care needs of many societies are changing significantly in response to changing social values and patterns of living. Traditional medical approaches to health care are being questioned and reviewed, particularly in response to effectiveness and appropriateness for Indigenous peoples. The prevalence and impact of mental health issues in Indigenous communities has been identified as one of the most pressing issues in need of urgent attention and resources. Communities need to work in partnership with service providers to ensure the development and sustainability of mental health programs; one such way is through health promotion and education. The conceptual framework for this subject is drawn from community development, health promotion, and self-determination. There will also be specific emphases on social justice, institutionalised racism, and social and emotional wellbeing.

NURS344 Community Health: Theory, Research & Practice

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: NURS243 or NURS240

Co-requisites: None

Subject Description: This subject will provide students with an opportunity to identify, develop and evaluate practical applications of health promotion in Indigenous communities. The subject introduces the principles and theory of health promotion within a primary health care and community development framework. Some of the principles that guide education for health and planning education sessions are also discussed.

NURS361 Professional Nursing

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject will focus on development of critical thinking and application of those skills to enhance the professional and clinical practice of graduates. Issues examined will contribute to the philosophical, ethical, moral and clinical development of self and the application of awareness of self to current practice. History and the relationship to contemporary nursing will be examined. The impact of thought from other disciplines such as Feminism will be an integral component of the subject.

NURS362 Continuing, Rehabilitative and Palliative Care Nursing

Autumn Bega On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: NURS262, NURS263, NURS265, NURS266

Co-requisites: None

Subject Description: There are a number of chronic health conditions that are commonly encountered by nurses. These conditions are particularly, but not only prevalent in the aged population. This is a clinically orientated subject which examines a number of issues related to chronic health conditions, particularly the goals of aged, rehabilitative and palliative care. The student will have the opportunity to integrate knowledge gained from previous subjects into the care of the person with a chronic disorder. This subject will consider a detailed examination of the role of the nurse in assessing and identifying problems associated with alterations in clients, and making clinical decisions about appropriate nursing interventions and outcomes.

NURS363 Therapeutic Use of Self

Autumn Wollongong On Campus

Autumn Bega On Campus

Credit Points: 6

Pre-requisites: NURS162, NURS262, NURS263, POP103 or NURS123

Co-requisites: None

Subject Description: In the process of communication we are required to deal with the emotions, thoughts and actions of people around us. Those we deal with in the health system are better served by clinicians who are aware of their own values and beliefs and willing to challenge and question those beliefs. However, for specific goal oriented and therapeutic communications in the professional context, our understanding is required to be more intensive. This subject will introduce students to concepts necessary for effective therapeutic communication and will enable students to develop a portfolio of skills to assist them in any generalist or specialist clinical practice area. These skills will be developed through the use of simulation that are based on specific clinical situations. The skills learnt in this subject are transferable to all areas of the health service and both underpin and compliment therapeutic communication skills necessary for students who plan to specialise in mental health.

NURS364 Research Appreciation and Application

Autumn Wollongong On Campus

Autumn Bega On Campus

Credit Points: 6

Pre-requisites: NURS262, NURS263, NURS264

Co-requisites: None

Exclusions: NURS330

Subject Description: A commitment to research based care is essential within nursing and midwifery, both for improved standards of care and the development of curious and critical practitioners. In order to make their commitment to research a reality, practitioners require not only insight into research methodologies but also the ability to critically analyse existing research. Strategies for increasing research awareness and widely disseminating existing findings should also be clearly understood. The focus of this module therefore, is the development of research appreciation and application skills, not the production of research workers.

NURS365 Mental Health Nursing 2

Spring Wollongong On Campus

Spring Bega On Campus

Credit Points: 6

Pre-requisites: NURS263, NURS265, NURS266, NURS267

Co-requisites: None

Subject Description: Students will be encouraged to develop their understanding of the concepts of mental health nursing. This subject will examine specific skills in identifying planning, implementing and evaluating care for individuals affected by a range of complex serious and enduring mental disorders, including dealing with the impact of these disorders on family members. This will involve students being directly involved in skills acquisition for the provision of care for these clients.

NURS366 Community Health Nursing

Spring Wollongong On Campus

Spring Bega On Campus

Credit Points: 6

Pre-requisites: NURS165, NURS266, NURS267

Co-requisites: None

Subject Description: Students will have the opportunity to explore the diversity of nursing in a health care system that is becoming more community focussed and based. Students will obtain opportunities to develop and consolidate knowledge, attitudes and skills in the nursing of people with more complex conditions in unpredictable community environments.

NURS367 Medical/Surgical Nursing 4

Spring Wollongong On Campus

Spring Bega On Campus

Credit Points: 6

Pre-requisites: NURS262, NURS266, NURS267

Co-requisites: None

Subject Description: Medical/Surgical Nursing 4 is a clinically orientated subject that will facilitate the student to integrate concepts related to the biophysical, pathophysiological, pharmacological, psychosocial and cultural diversity dimensions of individuals and families. This subject will enable the student to synthesise knowledge and skills gained from the previous Physiological Nursing subjects to high dependency

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	patients. This subject will also examine in detail the role of the nurse in assessing people with injury and multi-system disorders; identifying actual and potential problems for these people, making clinical decisions within a professional, ethical and legal framework; and collaborative care incorporating relevant diagnostics and therapeutics.			change at the levels of the individual, the group, and the community. The subject will focus on the application of selected health behaviour change theories and principles to the practice of public health and nursing, with emphasis on the use of these theories and strategies in various clinical nursing settings, health promotion contexts and in culturally diverse communities.		
Commerce	NURS401 Nursing Honours Annual Wollongong On Campus Credit Points: 48 Pre-requisites: None Co-requisites: None Subject Description: This course is designed to provide supervision for a beginning researcher, through individual mentoring and group seminars. The major component of the course is to guide the student through the research process, including formulating testable questions from the research literature; devising appropriate methods to test these questions; obtaining ethics committee approval; data collection and analysis; oral presentation of results; and report writing. Students will develop and conduct a research project resulting in a thesis presentation.			POP 201 Contemporary population health issues Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: POP101 Co-requisites: None Subject Description: Weekly lectures on current population health issues will be presented, drawing on Australian and international examples. Topics will illustrate themes such as the impact on health of social inequality, globalisation and other aspects of contemporary society, and the populations at risk. Key concepts in population health such as the measurement of health, the burden of disease, risk, the meaning and proof of causality will be discussed within the context of the challenges of promoting the health of populations in contemporary society.		
Creative Arts						
Education	POP 101 Population Health - current health issues and their determinants Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Weekly lectures on major population health issues in Australia will be presented. The latest evidence on the determinants of health issues will be examined, together with implications for specific population groups (e.g. indigenous Australians) and provision of services in rural and urban areas. Ways in which these health issues can be approached will be discussed. Weekly tutorials will examine the links between health and political, social and other factors.			POP 202 Promoting Healthy Lifestyles Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: 24 credit points at 100 level Co-requisites: None Subject Description: Health promotion is a risk management strategy that deals with the environmental and educational supports that can assist individuals, groups and communities to improve their health. Individuals, groups and populations will be considered. Theoretical and practical aspects of behaviour change and community development will be addressed. Communication of risk is an essential component of health promotion and will receive particular emphasis in this subject. Basic skills in program planning and management will be developed.		
Engineering						
Health & Behavioural Sciences	POP 102 Sex, drugs and rock'n'roll; public health perspectives <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Introduces students to two important contemporary health areas; one related to licit and illicit drug use, including cannabis, ecstasy, alcohol and tobacco; and the other related to sexual and reproductive health in the era of HIV/AIDS. Looks at health consequences, the role of advertising, theories of addiction, law enforcement strategies, health prevention and promotion approaches, and the importance of gender in negotiating sexual relationships. Includes finding and evaluating current public health information.			POP 203 Health policy Spring Wollongong On Campus Credit Points: 6 Pre-requisites: 6 credit points at 200 level and POP201 or POP202 Co-requisites: None Subject Description: This subject examines health and health care from policy perspectives. First, health policy at a number of levels (governmental and non-governmental) relating to health and health care services will be described and critiqued. Roles and responsibilities of agencies responsible for health matters in Australia will be examined. Second, health policy as a strategy for the management of population health risk will be explored using both theoretical approaches and practical examples. The processes of policy formation will be analysed. Key contemporary policy examples will be examined and comparisons made with another country, Canada.		
Informatics						
Law	POP 103 Introduction to Health Behaviour Change Spring Wollongong On Campus Spring Bega On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with POP221 Subject Description: This subject introduces students to the theories and strategies of health behaviour			POP 204 Epidemiology Spring Wollongong On Campus Credit Points: 6 Pre-requisites: STAT151 or PSYC123 or STAT131 or COMM121 or STAT252		
Science						

Co-requisites: None

Subject Description: The epidemiological approach to the study of disease and illness will be taught. The level of evidence of a number of study types (e.g. cross-sectional, case control, cohort, intervention studies) will be presented in the context of public health problems. Causality and alternate reasons for observed associations (eg. chance, bias, confounding and effect modification) will be discussed. Screening for disease and associated concepts will be discussed. Assessing all these concepts in the evaluation of published studies will be developed. Understanding and calculating measures of disease occurrence and associations with risk factors will be covered and practiced.

POP 220 Mass media and population health

Not on offer in 2007

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This unit examines the effects of media on population health – from the negative impact of advertisements for cigarettes, alcohol and junk food to the (hopefully) positive impact of public health campaigns. The subject covers commercial and social advertising, program and editorial content, media advocacy, and social marketing; and presents case studies of current media coverage and advertising campaigns to demonstrate the effects of media on health and social behaviour. Students will develop skills in media analysis, the development of communication campaigns, and dealing with the media.

POP 222 Current Issues in Food and Nutrition

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: This subject incorporates an overview of nutrients important to human health and their metabolism. It introduces students to ideas on the causes, nature and impact of a number of current food and nutrition issues. Examples will be drawn from Australia and overseas. Students will critically discuss the role of influential factors, including: interaction of biological, lifestyle and sociocultural aspects of human behaviour; changes in the nature of the food system; role of government and professional groups; and consumer interests.

POP 301 Project and program design, management and evaluation

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: POP201

Co-requisites: None

Subject Description: This subject will examine the process of planning and design (identification of core information, analysis of need, setting goals, objectives, strategies, budgets, resource considerations) for health projects. Program evaluation concepts, development of monitoring and evaluation plans and data management will be discussed. Students will critique project proposals and develop skills in proposal writing and presentation.

POP 302 Evidence in Population Health

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: POP204

Co-requisites: None

Subject Description: Critical appraisal of types and sources of evidence will be investigated using evidence based practice methods. Systematic Reviews and Meta analysis will be covered. Students will develop skills to summarize and synthesise evidence to generate research questions. Students will learn methods of construction and evaluation of psychosocial and health measures. Selected health, functional and quality of life measures will be reviewed. Students will develop skills in data management by using existing datasets to answer research questions and prepare reports.

POP 325 Aboriginal Health Issues

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 24 credit points at 200 level

Co-requisites: None

Subject Description: Examines the health status of Aboriginal Australians from a historical perspective, using relevant insights from the experiences of other indigenous populations. Explores the causes of Aboriginal health problems, the political and economic context of health, the role of culture, and access to health services. Critiques current strategies to improve health.

POP 331 Population Health Project A

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: POP301 and POP302 Credit average in core subjects of the Population Health major

Co-requisites: None

Subject Description: Students with a credit average or above will be able to choose from a list of workplace placement projects nominated each year in advance by academic staff who will act as supervisors. These projects may include involvement in a population health program, gaining practical skills in program development, implementation or evaluation, or in other applied research projects, such as policy development or analysis. Other projects may involve investigating a population health problem or issue using appropriate methodologies. Projects may be located within health services or related organisations. Opportunities to locate in rural areas will be actively supported. Students will normally work in small project groups. Students will be required to undergo a Criminal Record Check and complete the Prohibited Employment Declaration form. Evidence of vaccination status may be required for students undertaking a placement in a NSW Health Department facility.

POP 332 Population Health Project B

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: POP301 and POP302

Co-requisites: None

Subject Description: Students will be able to undertake a limited workplace placement or other project, focussing on either the analysis of an existing data set or the analysis of policy documents, or a critical review of the literature addressing a current population health problem or other project. Suitable projects will

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	be nominated each year by academic staff who will act as supervisors. Students will be required to undergo a Criminal Record Check and complete the Prohibited Employment Declaration form. Evidence of vaccination status may be required for students undertaking a placement in a NSW Health Department facility.	
Commerce	POP 401 Honours Annual Wollongong On Campus Credit Points: 48 Pre-requisites: An undergraduate degree in a relevant discipline approved by the Head of the School of Health Sciences. Co-requisites: None Subject Description: The Honours program is an individual research endeavour under supervision. The candidate is encouraged to research a contemporary issue within the research area of members of the School of Health Sciences. It is expected that there be both a theoretical and empirical content to the project. Guidelines for this subject are available from the Coordinator. The student is required to pass an examination of the detailed research proposal before about one third of the research time has passed. The final assessment of the subject combines an oral presentation with the written thesis/journal article.	PSYC122 Foundations of Psychology B Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: PSYC123 Subject Description: This subject is a prerequisite for enrolment in second year psychology subjects. The subject examines the way in which individuals perceive and learn about their world, the ways in which group membership influences behaviour, the nature of psychological dysfunction, and the role of psychology in influencing health. Topics covered include learning, perception, intelligence, memory, cognition, psychology of abnormality, social psychology, and human relations.
Creative Arts		PSYC123 Theory Design and Statistics in Psychology Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject is a prerequisite for enrolment in second year psychology subjects. With PSYC121 & PSYC122, it comprises an introduction to theories, and practical skills in psychology such as research design and statistical analysis. PSYC123 introduces students to statistics and methodology in the science of psychology. The content will focus on the use of a range of elementary statistical procedures, descriptive statistics and exploratory data analysis, normal probability and sampling distributions, and the use and interpretation of statistical tests, including t tests, the correlation coefficient and chi-square. The use of computers in statistical calculations will be introduced. The method component considers the context of scientific research, theories and hypotheses, varieties of research design, experimental comparisons, correlation and causation, reliability and validity, and ethical issues.
Education		
Engineering	PSYC101 Introduction to Behavioural Science Autumn Wollongong On Campus Autumn Shoalhaven Flexible Summer 2007/2008 Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject provides an introductory overview of areas of psychological investigation, introducing students to the study of individuals and human experience. It aims to acquaint non-psychology majors with the discipline, but may also provide additional background to students intending to specialize in psychology. Topics covered include learning, cognition, motivation, emotion, personality and lifespan development. The aim of this course is to introduce the major areas of study in the science of psychology.	
Health & Behavioural Sciences		PSYC216 Psychology of Physical Activity Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: (PSYC101) OR (PSYC121) OR (PSYC122) OR (PSYC123) Co-requisites: None Subject Description: PSYC 216 examines evidence on the health benefits of physical activity; how physical activity habits may be measured; how physical activity is distributed in populations; its major determinants; how psychological theories or models can guide interventions to promote physical activity; the evidence base on which interventions can be developed; and evidence on the outcomes of trials of interventions, including community, mass-media and public health policy initiatives.
Informatics	PSYC121 Foundations of Psychology A Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: This subject is a prerequisite for enrolment in second year psychology subjects. With Psyc122 and Psyc123 it comprises an introduction to theories and practical skills in psychology. It introduces students to the science of psychology. The content will focus on the way the individual's biological and psychological systems function. In particular, the subject will examine the historical context of psychology, biological bases of human behaviour, lifespan development, motivation and emotion, personality theory and assessment, individual differences and states of consciousness.	PSYC231 Personality Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: (PSYC121 and PSYC122 and PSYC123) Co-requisites: None Subject Description: This subject provides an historical overview of, and bases of comparison between, many of the major approaches to personality. These include psychoanalysis, behaviourism, existentialism, personal construct psychology, neo-Freudian approaches, trait theory, social learning theory and humanistic
Law		
Science		

psychology. Coverage includes both accounts of normal and abnormal personalities, motivation, individual differences, developmental dimensions, relevant research and therapeutic relevance where appropriate.

PSYC234 Biological Psychology and Learning

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: (PSYC121 and PSYC122 and PSYC123)

Co-requisites: None

Subject Description: This subject will begin to examine the biological mechanisms underlying behaviour and changes in behaviour brought about by experience, as well as examining the psychophysiological and behavioural measures frequently employed to study these processes. Topics will include genetics, the nervous and endocrine systems, arousal, attention, learning, memory, language, Pavlovian and instrumental conditioning, habituation and orienting reactions. The practical component will include an introduction to the techniques and experimental methods used in the study of learning and psychophysiology, including the recording of the electrocardiograph, skin conductance, and the electroencephalograph.

PSYC236 Cognition and Perception

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: (PSYC121 and PSYC122 and PSYC123)

Co-requisites: None

Subject Description: This subject provides an overview of two broad content areas in experimental psychology. Perception is the study of how information is acquired from the environment through sensory organs. Cognition is concerned with the storage, manipulation and retrieval of such information. Lectures draw upon findings from both behavioural and neuropsychological studies. Topics covered include visual perception, attention, memory, language. Students learn how to conduct, analyse, and interpret experimental research.

PSYC241 Developmental and Social Psychology

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: (PSYC121 and PSYC122 and PSYC123)

Co-requisites: None

Subject Description: This subject discusses core issues in child, adolescent and adult development with an emphasis on behaviour in the perceptual, cognitive, and social environment. Half of the subject will provide a developmental framework from the neonatal stage through adulthood. Key theories and empirical aspects in perceptual, cognitive and emotional development will be covered. Ethical issues concerning research involving children will also be addressed. The second half emphasises the contributions of social psychology to understanding individual behaviour in societal context including the workplace. The development of the social self, attitudes, prejudice and the importance of social cognition will be covered. The implications of issues arising from these core topics to indigenous psychology will also be considered.

PSYC246 Special Research Topic

Spring Wollongong On Campus

Autumn Wollongong On Campus

Annual Wollongong On Campus

Credit Points: 6

Pre-requisites: Prior approval by Head of Department required.

Co-requisites: Not to be counted with more than one other 200 level psychology subject.

Subject Description: On successful completion of this subject students will be able to identify the major steps necessary to carry out a research project in Psychology, including problem specification, surveying the existing literature, appropriate data collection and analysis techniques, and report writing. Students will understand the importance of team work and have demonstrated small group presentation techniques.

PSYC249 Applied Psychology

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: (18 Credit points of 100

Level Psychology, including PSYC121 and PSYC122 and PSYC123)

Co-requisites: None

Subject Description: The aim of this subject is to introduce students, as early as possible, to applications of psychology. It is an optional subject in the BA and BSc, but is core to the BPsych, BA (Hons.), and BSc (Hons.). The aim of this subject is to demonstrate how main principles of psychology are applied in diverse settings. Topics to be covered include health psychology, organisational psychology, and forensic psychology. The seminar program will illustrate applications of psychology with specific reference to the main lecture topics. Case studies in each area will be highlighted

PSYC250 Quantitative Methods

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: (PSYC121 and PSYC122 and PSYC123)

Co-requisites: None

Subject Description: PSYC 250 is compulsory for a psychology major. It is a pre-requisite for PSYC 354: Design and Analysis, which is required for admission to the honours stream. The pre-requisites for PSYC 250 are PSYC 121, PSYC122 and PSYC123. It is one of the required areas of coverage for accreditation of majors and four year degrees by the Australian Psychology Accreditation Council. The emphasis of this subject in research methods and statistics is to provide the student with the skills necessary to understand variability and probabilistic behaviours. These skills will be developed around an understanding of experimental and quasi-experimental methods. Thus, the focus of much of this subject is on an understanding of experimental methods and choice of appropriate statistical analysis for a given experimental design. Considerable attention is given to explaining the conceptual rationale underlying each analysis covered in the course, and its application to research in the behavioural sciences. The content of the practical classes entails extensive use of SPSS, a statistical package.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	PSYC315 Psychology of Abnormality		
	Spring	Wollongong	On Campus
	Credit Points: 8		
	Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250 b) from 2003–2006, PSYC231,241,234,236 & 247. c) before 2003 24 credit points of 200 level psychology excluding PSYC216		
Commerce	Co-requisites: None		
	Subject Description: This subject involves a systematic examination of the variety of mental disorders found in adults and children. In addition to the descriptive psychopathology necessary to identify the disorders, contemporary issues relating to theories of causation and treatment are examined. In addition, clinical assessment and methods of therapeutic intervention make up an important component of this course.		
	PSYC318 Change Throughout the Lifespan		
	Spring	Wollongong	On Campus
Creative Arts	Credit Points: 8		
	Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC231 is a specified pre-req. b) from 2003–2006, PSYC231,241,234,236 & 247, PSYC231 is a specified pre-req. c) before 2003 24 credit points of 200 level psychology excluding PSYC216		
	Co-requisites: None		
	Subject Description: This subject focuses on the kinds of changes that occur to people throughout their life and on ways to facilitate and cope with those processes. Changes in intelligence, personality, and social interactions in adulthood and old age are considered. Theories concerning the nature of life-span change are addressed, along with relevant empirical studies. One approach to understanding and facilitating changes, personal construct psychology, will be considered in detail. Some personal exploration will be undertaken by those enrolled.		
Education	PSYC345 Advanced Topics in Cognition		
	Autumn	Wollongong	On Campus
	Credit Points: 8		
	Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 & 236 are a specified pre-reqs b) from 2003–2006, PSYC231,241,234,236 & 247, PSYC247 & 236 are a specified pre-reqs. c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232 & 236		
Engineering	Co-requisites: None		
	Subject Description: This subject offers more advanced training in experimental psychology, and particularly the method and theories of cognitive psychology. It is one of the subjects that provides a solid grounding in empirical psychology. The subject will extend students' knowledge of cognitive psychology from the framework acquired in PSYC236. It provides a detailed examination of a number of areas which may include short-term-memory, the psychology of reading, face recognition and reasoning. The practical program involves extensive experience of experimentation in cognitive psychology where students will act both as participants and researchers. Some of these experiments will be written up as lab reports or short assignments.		
	PSYC347 Assessment and Intervention		
	Autumn	Wollongong	On Campus
Health & Behavioural Sciences	Credit Points: 8		
	Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250 b) from 2003–2006, PSYC231,241,234,236 & 247. c) before 2003 24 credit points of 200 level psychology excluding PSYC216		
	Co-requisites: None		
	Subject Description: This subject provides students with an overview of widely used psychological assessment procedures (including personality and intelligence assessments). Intervention programs and their efficacy will also be discussed, as well as ethical and legislative requirements and consumer and carer participation. Areas of focus will include both clinical and non clinical settings. The subject will also deal with the counselling process by introducing students to basic interviewing skills used in counselling. Seminar and Workshop Sessions will provide students with an opportunity to observe counselling micro-skills and participate in group discussions and seminars.		
Informatics	PSYC348 History and Metatheory of Psychology		
	Autumn	Wollongong	On Campus
	Credit Points: 8		
	Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250 b) from 2003–2006, PSYC231,241,234,236 & 247. c) before 2003 24 credit points of 200 level psychology excluding PSYC216		
Law	Co-requisites: None		
	Subject Description: This subject introduces (1) the origins and development of major approaches in modern psychology, and (2) important conceptual issues in psychology. It discusses the concepts needed to evaluate the theories, methods, accounts and practices that we encounter in psychology, and applies these concepts to various psychological problems. Topics include materialist and causal views of psychology, behaviourist analyses of mental processes, psychoanalytic explanation, rationalist and phenomenological accounts of mind and ethical and ideological considerations in psychology.		
	PSYC349 Visual Perception		
	Spring	Wollongong	On Campus
Science	Credit Points: 8		
	Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 & 236 are a specified pre-reqs b) from 2003–2006, PSYC231,241,234,236 & 247, PSYC247 & 236 are a specified pre-reqs. c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232 & 236		
	Co-requisites: None		
	Subject Description: This subject covers the following aspects of visual perception – lightness and colour; motion; shape and object perception; depth and stereopsis; spatial and temporal resolution – and the applications of each, uniting them by focusing on the environmental variables to which the visual system is sensitive, and the neural mechanisms underlying these sensitivities.		

PSYC350 Social Behaviour and Individual Differences

Not on offer in 2007

Credit Points: 8

Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC241 & 250 are a specified pre-reqs b) from 2003–2006, PSYC231,241,234,236 & 247, PSYC241 & 247 are a specified pre-reqs. c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232 & 241

Co-requisites: None

Subject Description: This subject allows students to study selected topics in social psychology in more detail. The emphasis is on the extent to which one can explain social behaviours (eg. prejudice, crime, close relationships, particular adolescent behaviours) on the basis of individual differences and personality traits. An integral part of the subject will include the formulation of a research proposal by each student.

PSYC352 Psychophysiology

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 & 234 are a specified pre-reqs b) from 2003–2006, PSYC231,241,234,236 & 247, PSYC247 & 234 are a specified pre-reqs. c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232 & 234

Co-requisites: None

Subject Description: This subject concentrates on psychophysiology as the systematic examination of peripheral and central physiological correlates of perceptual and cognitive functioning. Students will attain a basic level of proficiency in the electrical recording and assessment of a range of autonomic measures (including muscle, respiratory, cardiovascular, and electrodermal activity), as well as the traditional central indicators (EEG and event related potentials). Current research using these techniques will be examined.

PSYC354 Design and Analysis

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 is a specified pre-reqs b) from 2003–2006, PSYC231,241,234,236 & 247 & 248, c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232

Co-requisites: None

Subject Description: PSYC354 develops skills in the design and analysis of research investigations involving statistics. It is a pre-requisite for PSYC499. Statistical computing is an essential part of the course. Topics covered: statistical techniques in psychological research, experimental and observational research designs, analysis of survey data; analysis of variance and covariance; regression; factor analysis; multivariate analysis.

PSYC402 Psychology IV - PT

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: See Bachelor of Psychology requirements

Co-requisites: None

Subject Description: Building on the first three years of the Bachelor of Psychology course, this subject will cover principal theoretical, empirical, and practical aspects of the areas in psychology that prepare students for work as psychologists: social and health psychology; advanced abnormal psychology; child and adolescent psychology; psychological assessment; contemporary issues for professional and research psychologists. In addition, students will undertake an empirical group-based research project. An empirical report of 8000 words is then written-up individually under the supervision of an academic staff member.

PSYC403 Psychology IV - FT

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: See Bachelor of Psychology requirements

Co-requisites: None

Subject Description: Building on the first three years of the Bachelor of Psychology course, this subject will cover principal theoretical, empirical, and practical aspects of the areas in psychology that prepare students for work as psychologists: social and health psychology; advanced abnormal psychology; child and adolescent psychology; psychological assessment; contemporary issues for professional and research psychologists. In addition, students will undertake an empirical group-based research project. An empirical report of 8000 words is then written-up individually under the supervision of an academic staff member.

PSYC404 Psychology IV Honours - PT

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: See Honours entry requirements

Co-requisites: None

Subject Description: Candidates will generally complete: a supervised 12,000 word Empirical Thesis; a subject chosen from the following list: Principles and Practices of Psychological Assessment, Child and Adolescent Psychology, Advanced Abnormal Psychology, Social Psychology and Health, Models of the Human Brain and their Applications. Three compulsory seminars in Research, Advanced Methodology, and Contemporary Issues for professional and research psychologists. Students may choose to replace the elective subject and part of the Advanced Methodology assessment with a 6,000 word, supervised Theoretical Thesis.

PSYC405 Psychology IV Honours - FT

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: See Honours entry requirements

Co-requisites: None

Subject Description: Candidates will generally complete: a supervised 12,000 word Empirical Thesis; a subject chosen from the following list: Principles and Practices of Psychological Assessment, Child and Adolescent Psychology, Advanced Abnormal Psychology, Social Psychology and Health, Models of the Human Brain and their Applications. Three compulsory seminars

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>in Research, Advanced Methodology, and Contemporary Issues for professional and research psychologists. Students may choose to replace the elective subject and part of the Advanced Methodology assessment with a 6,000 word, supervised Theoretical Thesis.</p> <hr/> <p>PSYC410 Honours Empirical Thesis Annual Wollongong On Campus Credit Points: 24 Pre-requisites: See Honours entry requirements Co-requisites: None Subject Description: The Empirical Thesis consists of an individually supervised research project presented as a 12,000 word thesis. Research topics are drawn from the range of empirical research interests of the School staff and are in areas such as personality and social psychology, psychometrics, clinical psychology, psychophysiology, learning, cognition, perception, and development. Students are instructed and involved in all aspects of the research process: selection and justification of the topic, reviews of the relevant empirical and theoretical literature, design of the research, applying for ethics approval of the research, collection and analysis of data and interpretation of results.</p> <hr/> <p>PSYC412 Honours Data Analysis Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: See Honours entry requirements Co-requisites: None Subject Description: The emphasis of this subject is on the application of techniques in data analyses to practical problems, and issues pertaining to selection of an appropriate analysis will be discussed in depth. Towards the end of the subject, a number of case studies in data analysis will be presented aimed at promoting the integration of old and new techniques for the analysis of data.</p> <hr/> <p>PSYC413 Honours Theory Spring Wollongong On Campus Credit Points: 6 Pre-requisites: See Honours entry requirements Co-requisites: None Subject Description: The Honours Theory Seminar examines key theoretical and metatheoretical issues in contemporary psychology, especially as they affect the specialisations and chosen subjects of the students. The subject also aims to sharpen critical reasoning and arguing skills.</p> <hr/> <p>PSYC414 Honours Theoretical Thesis Annual Wollongong On Campus Credit Points: 12 Pre-requisites: See Honours entry requirements Co-requisites: None Subject Description: An Honours Theoretical Thesis may be undertaken by Honours Students, depending on the availability of suitable topics and supervisors. It consists of an individually tailored course of study assessed by a 7,000 word (maximum) thesis. Theoretical theses topics may be drawn from very general metatheoretical topics like the mind/brain issue, topics in cognitive science, historical topics, through to more specific evaluation of theories, concepts and approaches, reviews and critical studies of research domains, to more 'exotic' topics like psychology and aesthetics, or psychological themes in popular literature.</p>
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	<p>PSYC478 Child & Adolescent Psychology Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program Co-requisites: None Subject Description: This subject focuses on a range of childhood and adolescent concerns or problem behaviours within a broad developmental framework. The subject will provide students with a general introduction to the specific problems and needs of children and parents who present to psychologists in clinical practice. Individual and family based assessment and intervention approaches will be examined for problems such as mental retardation, conduct disorders, attention deficit hyperactive disorders, learning problems, anxiety and depressive disorders, and early onset psychosis.</p> <hr/> <p>PSYC479 Major Research Project Annual Wollongong On Campus Credit Points: 18 Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program Co-requisites: None Subject Description: Students complete an empirical study on a research topic chosen from given areas of staff expertise. Projects may be conducted in small groups, however, write-ups will be completed and assessed individually. Weekly research seminars consist of discussion of the research process, selecting a topic, and enhancing writing and oral presentation skills. The completed write-up will be a research report of 9,000 words.</p> <hr/> <p>PSYC484 Social Psychology and Health Spring Wollongong On Campus Credit Points: 6 Pre-requisites: See Honours entry requirements Co-requisites: None Subject Description: This subject addresses key theoretical and empirical issues in the area of Social Psychology and explains their implications for health behaviours. The focus is on the joint effects of internal and external processes in the causation and maintenance of human behaviours. Emphasis is placed on elaborating social psychological models of health behaviours, the roles of attitudes, values and beliefs in shaping different behaviours and the effects of conformity, compliance and life events on behaviour. A range of psychological and health principles will be examined within the context of formulating treatment and evaluation proposals or prevention programs designed to change social behaviours in relation to health issues, such as stress and coping strategies, drug and alcohol abuse, sexual behaviours, exercise and nutrition, and aged care. The applicability of major research findings across cultures will also be addressed.</p> <hr/> <p>PSYC485 Principles & Practices of Psychological Assessment Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program Co-requisites: None Subject Description: The aim of this subject is to examine the principles underpinning psychological</p>
Informatics	
Law	
Science	

assessment and introduce students to the practices of psychological assessment. The subject is designed to integrate learning in previous years including theories of personality, intelligence combined with statistical theory and then examine how these issues are used in practice. Criteria to understand and evaluate psychological tests will be used as a common theme throughout the subject, including examination of their construct validity. The general ethical issues of psychological assessment will be compared to the specific Australian Psychological Society guidelines for psychological assessment. After examination of the theoretical principles, students will have the opportunity to administer, score and interpret commonly used assessment tools used to assess general intelligence, emotional intelligence, personality and vocational preference and psychological well-being for adults and children.

PSYC488 Contemporary Issues for Professional & Research Psychologists

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program

Co-requisites: None

Subject Description: This subject draws together key issues in ethics, research and professional practices in psychology. Ethics theory will be addressed and ethical and legal issues will be explored in research, therapeutic and professional settings. Other contemporary issues in experimental psychology and clinical practice including, for instance, the psychophysiology of ADHD, conflict resolution, funding applications, supervision and self care, reflective practice, are also covered.

PSYC489 Advanced Abnormal Psychology

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program

Co-requisites: None

Subject Description: This subject builds upon previous study in core areas of abnormal psychology, with contributions from personality, learning, and developmental psychology to consider the way theories of human behaviour help our understanding of psychopathology. Students will be expected to develop a critical and analytical understanding of the conceptual frameworks and assumptions of a number of major schools of abnormal psychology. The etiology and maintenance of clinical disorders will be examined from a variety of theoretical and research perspectives.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Faculty of Informatics

Member Units

School of Electrical, Computer and Telecommunications Engineering

School of Information Technology and Computer Science

School of Mathematics and Applied Statistics

Degrees Offered

Single Degrees

Bachelor of Computer Bioinformatics

Bachelor of Computer Geoinformatics

Bachelor of Computer Science

Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering)

Bachelor of Information and Communication Technology

Bachelor of Information Technology

Bachelor of Internet Science and Technology

Bachelor of Mathematics

Bachelor of Mathematics Advanced

Bachelor of Mathematics and Economics

Bachelor of Mathematics and Finance

Bachelor of Mathematics Education – refer to the Faculty of Education for details of this program.

Double Degrees

Bachelor of Computer Science – Bachelor of Science

Bachelor of Creative Arts – Bachelor of Computer Science

Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering) – Bachelor of Arts

Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering) – Bachelor of Commerce

Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering) – Bachelor of Mathematics

Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering) – Bachelor of Science

Bachelor of Mathematics – Bachelor of Computer Science

Refer to the Faculty of Engineering section for details of the following double degree programs:

Bachelor of Engineering (Civil, Environmental, Materials, Mechanical, Mechatronics, Mining) – Bachelor of Computer Science

Bachelor of Engineering (Civil, Environmental, Materials, Mechanical, Mechatronics, Mining)

– Bachelor of Mathematics

Bachelor of Science (Physics) – Bachelor of Mathematics

Refer to the Faculty of Law section for details of the following double degree programs:

Bachelor of Computer Science – Bachelor of Laws

Bachelor of Information and Communication Technology – Bachelor of Laws

Bachelor of Mathematics – Bachelor of Laws

Refer to the Faculty of Science section for details of the following double degree program:

Bachelor of Science – Bachelor of Mathematics

Note: From 2007, Information Systems degrees will be taught by the Faculty of Informatics. Please refer to the Faculty of Commerce section for the entries on these degrees

For tuition fee information please see the following:

Domestic – www.uow.edu.au/student/finances/studentcontributions.html

International – www.uow.edu.au/prospective/international/fees/

This publication contains information which is current at December 2006. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Computer Bioinformatics

Testamur Title of Degree:	Bachelor of Computer Bioinformatics
Abbreviation:	BCompBioinf
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	198
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	890
UAC Code:	754102
CRICOS Code:	039554M

Overview

This degree is designed to produce graduates who are, first and foremost, highly trained in relevant areas of computer science and mathematics but who also possess knowledge and skills in molecular biology and related biological science. The degree has two strands, non-Honours (coursework) and Honours (including a substantial research project).

Entry Requirements / Assumed Knowledge

Approximate UAI: 77

Assumed Knowledge: Any two units of English plus Mathematics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

Students who enrol in Bachelor of Computer Bioinformatics (BCompBioinf), must complete 198 credit points as detailed, over four years full-time (or equivalent part-time). Students who achieve a WAM of greater than 67.5 can undertake the Honours strand in their final year, while other students will continue in the non-Honours strand.

Course Program

Subjects	Session	Credit Points
Year 1		
BIOL103 Molecules, Cells and Organisms	Spring	6
BIOL104 Evolution, Biodiversity and Environment	Autumn	6
CSCI103 Algorithms and Problem Solving	Autumn/Spring	6
CSCI114 Procedural Programming	Autumn/Spring	6
CHEM101 Chemistry 1A	Autumn	6
CHEM102 Chemistry 1B	Spring	6
Plus		
MATH141 Mathematics 1C Part 1	Autumn	6
or		
MATH187 Mathematics 1A Part 1	Autumn	6
Plus		
MATH142 Mathematics 1C Part 2	Spring	6
or		
MATH188 Mathematics 1A Part 2	Spring	6
Year 2		
BIOL213 Principles of Biochemistry	Autumn	6
BIOL215 Introductory Genetics	Spring	6
CSCI124 Applied Programming	Autumn/Spring	6

CSCI204	Object Programming and Frameworks	Spring	6
CSCI222	Systems Development	Spring	6
CSCI235	Databases	Spring	6
Plus			
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
or			
MATH203	Linear Algebra	Autumn	6
Plus one CSCI 200-level elective subject			6
Year 3			
BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CSCI315	Database Design and Implementation	Autumn	6
CSCI321	Project	Annual	12
MATH111	Applied Mathematical Modelling 1	Spring	6
STAT231	Probability and Random Variables	Autumn	6
Plus			
STAT304	Applied Probability and Financial Risk	Autumn	6
or			
CSCI323	Artificial Intelligence	Spring	6
Year 4 (Honours) - WAM >67.5			
BIOL320	Molecular Cell Biology	Autumn	8
INFO403	Computer Bioinformatics Honours Project	Annual	24
INFO411	Data Mining and Knowledge Discovery	Spring	6
Plus			
STAT304	Applied Probability and Financial Risk	Autumn	6
or			
CSCI464	Neural Computing	Autumn	6
Plus one 300/400 Level elective chosen from the Biology, Computer Science or Mathematics Schedules.			6 or 8
Year 4 (Non-Honours)			
BIOL320	Molecular Cell Biology	Autumn	8
INFO411	Data Mining and Knowledge Discovery	Spring	6
Plus			
STAT304	Applied Probability and Financial Risk	Autumn	6
or			
CSCI464	Neural Computing	Autumn	6
Plus 300/400 level electives chosen from the Biology, Computer Science or Mathematics Schedules, of which at least 24 credit points must be at 400 level.			30

Honours

Students who enrol in the Honours program, must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Computer Geoinformatics

Testamur Title of Degree:	Bachelor of Computer Geoinformatics
Abbreviation:	BCompGeoinf
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	793
UAC Code:	754103
CRICOS Code:	043414M

Overview

Geoinformatics is the combination of information technology, computer programming, remote sensing and data layering techniques known as geographical information systems (GIS) designed to analyse and interpret spatial data.

Geographical Information Systems (GIS) is a technique for processing and managing spatial data. The outcome of GIS emphasises the efficient interpretation of spatial knowledge. It is used extensively by government planning organisations and industry, but is increasingly being used in a wider range of applications.

This degree integrates aspects of information technology, computer programming and spatial analysis techniques to comprehensively train a student in this growing field of spatial data processing and management. The degree provides grounding in the fundamentals of landscape recognition and interpretation in fields such as mineralogy, biogeography, soils, marine science and climatology, as well as the relevant areas of computer science and information technology.

This degree has two strands, non-Honours (coursework) and Honours (including a substantial research project).

Entry Requirements / Assumed Knowledge

Approximate UAI: 77

Assumed Knowledge: Any two units of English plus Mathematics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

Students who enrol in Bachelor of Computer Geoinformatics, must satisfactorily complete 192 credit points, as detailed, over four years full-time (or equivalent part-time). Students achieving a WAM of greater than 67.5 can undertake the Honours strand in their final year, while other students will continue in the non-Honours strand.

Course Program

Subjects	Session	Credit Points
Year 1		
CSCI103 Algorithms and Problem Solving	Autumn/Spring	6
CSCI114 Procedural Programming	Autumn/Spring	6
CSCI124 Applied Programming	Autumn/Spring	6
MATH121 Discrete Mathematics	Autumn	6
Plus three of the following:		
EESC101 Planet Earth	Autumn	6
EESC102 Earth Environments and Resources	Spring	6
EESC103 Landscape Change and Climatology	Autumn	6
EESC104 The Human Environment: Problems and Change	Spring	6
Plus one of the following:		
MATH141 Mathematics 1C Part 1	Autumn	6
MATH161 Mathematics 1E Part 1	Spring	6
MATH187 Mathematics 1A Part 1	Autumn	6

Year 2

CSCI204	Object Programming and Frameworks	Spring	6
CSCI213	Java Programming & Object Oriented Design	Autumn	6
CSCI235	Databases	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
EESC204	Introductory Spatial Science	Autumn/Spring	6

Plus any three 200-level EESC subjects 18

Note: a credit or higher in STAT252 is required before enrolling in STAT355.

Year 3

CSCI315	Database Design and Implementation	Autumn	6
CSCI336	Computer Graphics	Autumn	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8

Plus any 300-level CSCI subject 6

Plus any 300-level EESC subject 8

Year 4 (Honours) - WAM > 67.5

INFO411	Data Mining and Knowledge Discovery	Spring	6
EESC403	Geoinformatics Honours	Annual	36
Plus any 400-level INFO or IACT subject			6

Year 4 (Non-Honours)

INFO411	Data Mining and Knowledge Discovery	Spring	6
---------	-------------------------------------	--------	---

Plus 300/400- level electives chosen from the Earth and Environmental Sciences, Computer Science 42 and/or Mathematics Schedules. At least 24 credit points must be at 400-level from the Computer Science and/or Mathematics Schedule.

Honours

Students who enrol in the Honours program must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Computer Science (name of major)
Abbreviation:	BCompSc
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong; INTI College, Sarawak, Malaysia, SIM Singapore
UOW Course Code:	766, MY766, SG766
UAC Code:	754101
CRICOS Code:	012088K

Overview

Computer scientists design and write programs for computer applications. These applications include computer systems to control machinery, the analysis of stock market trends, games design, visualisation of chemical reactions, neural network design, computational geometry for robot navigation, automatic teller machines and patient monitoring in hospitals.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Computer programming is the science of writing computer software to solve problems. Computer science is the study of algorithmic processes that describe and transform information: theory, analysis, design, efficiency, programming and application.</p> <p>This degree includes a core of programming subjects as well as electives in database, languages, artificial intelligence, computer security, computer graphics, operating systems, real-time software and software engineering.</p> <p>A high point of the degree is the third year project where students form teams to develop computer applications. High-achieving students may complete a fourth year Honours degree.</p>
Commerce	<p>UOW's Computer Science degree allows you to specialise in software development, distributed systems or digital systems security, as well as study other disciplines including management, visual arts, languages, commerce and mathematics. You can take subjects from another discipline, study a second major or enrol in a double degree.</p>
Creative Arts	<p>Entry Requirements / Assumed Knowledge</p> <p>Approximate UAI: 77</p> <p>Assumed Knowledge: Any two units of English plus Mathematics.</p> <p>For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.</p>
Education	<p>Advanced Standing</p> <p>Information about Approved Credit Transfer Arrangements with domestic providers is available at: www.uow.edu.au/handbook/advancedstanding/</p> <p>Information about Approved Credit Transfer Arrangements with international providers is available at: www.uow.edu.au/prospective/international/credit/</p>
Engineering	<p>Course Requirements</p> <p>Students who enrol in Bachelor of Computer Science shall accrue an aggregate of at least 144 credit points by satisfactory completion of:</p> <ol style="list-style-type: none"> The following core subjects: <ul style="list-style-type: none"> CSCI102 Systems CSCI103 Algorithms & Problem Solving CSCI114 Procedural Programming CSCI124 Applied Programming MATH121 Discrete Mathematics STAT131 Understanding Variation & Uncertainty IACT201 Information Technology & Citizens' Rights CSCI203 Algorithms and Data Structures CSCI204 Object Programming and Frameworks CSCI212 Interacting Systems CSCI222 Systems Development CSCI321 Project <p>Note: it is strongly recommended that STAT131 be taken in Year 2 of the degree.</p> <ol style="list-style-type: none"> An additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects. At least 24 credit points of CSCI 300-level subjects, including CSCI321, must be at pass grade or better. No more than 60 credit points at 100-level. At least 48 credit points of subjects chosen from the Computer Science Schedule and/or the General Schedule. No more than 24 credit points (i.e. 1/6) of subjects at PC grade.
Health & Behavioural Sciences	<p>Areas of Major Study</p> <p>Students enrolled in this degree can major in:</p> <ul style="list-style-type: none"> Computer Science Database and Enterprise Systems Applications Digital Systems Security Distributed Systems Multimedia and Game Development
Informatics	
Law	
Science	

Software Development
 Approved second majors are available in:
 Biological Sciences
 Business Information Systems
 Chemistry
 Electronic Commerce
 Electronics
 English Language Studies
 Geosciences
 Management
 Marketing
 Mathematics

All majors are outlined in detail below.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined below or not.

Computer Science Schedule

Subjects	Session	Credit Points
100-Level		
CSCI102 Systems	Spring	6
CSCI103 Algorithms & Problem Solving	Autumn/Spring	6
CSCI114 Procedural Programming	Autumn/Spring	6
CSCI124 Applied Programming	Autumn/Spring	6
MATH121 Discrete Mathematics	Autumn	6
MATH141 Mathematics 1C - Part I	Autumn	6
MATH142 Mathematics 1C - Part II	Spring	6
MATH187 Mathematics 1A - Part 1	Autumn	6
MATH188 Mathematics 1A - Part 2	Spring	6
STAT131 Understanding Variation & Uncertainty	Autumn/Spring	6
200-Level		
CSCI203 Algorithms and Data Structures	Autumn	6
CSCI204 Object Programming and Frameworks	Spring	6
CSCI205 Development Methods and Tools	Spring	6
CSCI212 Interacting Systems	Autumn	6
CSCI213 Java Programming & Object Oriented Design	Autumn	6
CSCI214 Distributed Systems	Autumn	6
CSCI222 Systems Development	Spring	6
CSCI231 Operating Systems	Spring	6
CSCI235 Databases	Spring	6
CSCI236* 3D Modelling & Animation	Spring and Summer	6
CSCI240 Multimedia Programming Foundations	Autumn	6
CSCI262 Systems Security	Spring	6
IACT201 Information Technology and Citizens' Rights	Autumn	6
IACT202 The Structure and Organisation of Telecommunications	Spring	6
ITCS206 Markup Languages	Autumn	6
MATH203 Linear Algebra	Autumn	6

* Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session, so this subject is not suitable for anyone wishing to graduate in December.

300-Level

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	CSCI311	Software Process Management	Autumn	6
	CSCI313	Professional Programming Practices	n/o in 2007	6
	CSCI315	Database Design and Implementation	Autumn	6
	CSCI317	Database Performance Tuning	Spring	6
	CSCI318	Software Engineering Practices & Principles	Spring	6
Commerce	CSCI321	Project	Annual	12
	CSCI322	Systems Administration	Spring	6
	CSCI323	Artificial Intelligence	Spring	6
	CSCI324	Human Computer Interface	Autumn	6
	CSCI333	Compilers	n/o 2007	6
Creative Arts	CSCI334	Interfacing and Real Time Programming	n/o 2007	6
	CSCI336	Computer Graphics	Autumn	6
	CSCI337	Organisation of Programming Languages	Spring	6
	CSCI343	Game Design and Programming	Autumn	6
	CSCI361	Computer Security	Autumn	6
Education	CSCI365	CSCI Honours Preliminary Project	n/o 2007	6
	CSCI368	Network Security	Spring	6
	CSCI370	Special Topics in Computer Science A	n/o 2007	6
	CSCI371	Special Topics in Computer Science B	n/o 2007	6
	CSCI372	Special Topics in Computer Science C	n/o 2007	6
Engineering	CSCI373	Special Topics in Computer Science D	n/o 2007	6
	CSCI399	Server Technology	Autumn	6
	IACT301	Information and Communication Security Issues	Spring	6
	IACT302	Corporate Network Planning	Autumn	6
	IACT303	World Wide Networking	Spring	6
Health & Behavioural Sciences	IACT304	Principles of eBusiness	Autumn	6
	IACT305	eBusiness Technologies	Autumn	6
	ITCS301	Exploiting Collaborative Technologies	Spring	6
	400-Level			
	CSCI407	Corba & Enterprise Java	Spring	6
Informatics	CSCI410	Formal Methods in Software Engineering	Autumn	6
	CSCI444	Perception and Planning	Spring	6
	CSCI445	Parallel Computing	n/o 2007	6
	CSCI446	Multi-Media Studies	Autumn	6
	CSCI450	Software Engineering Requirements & Specifications	Spring	6
Law	CSCI457	Advanced Topics in Database Management	Autumn	6
	CSCI463	Advanced Computer Graphics	Autumn	6
	CSCI464	Neural Computing	Autumn	6
	CSCI465	Design and Analysis of Algorithms	Spring	6
	CSCI466	Coding for Secure Communication	Autumn	6
Science	CSCI467	Complexity Theory	n/o 2007	6
	CSCI471	Advanced Computer Security	Spring	6
	INFO411	Data Mining and Knowledge Discovery	Spring	6
	INFO412	Mathematics for Cryptography	Autumn	6
	INFO413	Information Theory	Spring	6
	ITCS429	Concepts and Issues in Healthcare Computing	Spring	6
	ITCS430	Introduction to Health Informatics	Autumn	6
	ITCS431	Advanced Web Application Development	n/o 2007	6
	ITCS432	Web Design	Spring	6
	ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6

ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6

Honours

Candidates who achieve a credit average or better in the Bachelor of Computer Science, or a major in computer science in another degree, are eligible to enrol in an additional year of study towards a Bachelor of Computer Science (Honours) (BCompSc(Hons)).

To qualify for the Bachelor of Computer Science (Honours), candidates must complete CSCI400 and follow the rules listed below. The level of honours awarded at the completion of the course is determined in accordance with University General Course Rules.

The program of study for Bachelor of Computer Science (Honours), is 48 credit points and will include:

1. CSCI400 Computer Science Honours Project, an 18 credit point project;
2. IACT441 Research Methodology;
3. 24 credit points of 400-/900-level Computer Science subjects;
With the permission of the Head of School, candidates may substitute up to 12 credit points of subjects with 300-level Computer Science subjects or 400-level subjects from another discipline;
4. Attendance at a series of seminars on research methodology in Autumn Session is compulsory (including quantitative and qualitative analysis). Seminars will cover the purpose of research, formulating a research question, conducting a literature review and writing a research proposal. Students will learn how to design an appropriate research plan; requirements for scholarly writing will also be discussed and the process of undertaking a research project will be analysed.

Set out below is a sample of subjects which may be taken as part of the Bachelor of Computer Science (Honours):

Topics in Software Engineering
Perception and Planning
Parallel Architectures and Algorithms
Multimedia Studies
Advanced Topics in Database Management
Advanced Computer Graphics
Neural Computing
Design and Analysis of Algorithms
Coding for Secure Communication
Complexity Theory
Network Security
Advanced Computer Security

Joint Honours with Computer Science

CSCI405 – Computer Science Joint Honours comprises one half of the Bachelor of Computer Science (Honours) program and is available to students who wish to undertake a joint honours project. This is particularly suited to students who have undertaken a double major in the Bachelor of Computer Science degree. A thesis topic will be determined in consultation with both academic units.

Major Study Areas

Computer Science (code CS18)

Major Study

To satisfy the requirements for a major study in Computer Science, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirements, plus an additional 12 credit points of 300-level CSCI subjects.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Double Majors A major in Computer Science can be combined with Biological Sciences, Business Information Systems, Chemistry, Digital Systems Security, Electronic Commerce, Electronics, English Language Studies, Geosciences, Management, Marketing, Mathematics, Multimedia and Game Development or Politics. Second major requirements (and codes) are listed below.			
Commerce	Digital Systems Security (code CS42) Major Study To satisfy the requirements for a major study in Digital Systems Security, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirements, plus the following additional subjects:			
Creative Arts	Subjects	Session	Credit Points	
	200-Level			
	CSCI214	Distributed Systems	Autumn	6
	CSCI262	Systems Security	Spring	6
	300-Level			
	CSCI361	Computer Security	Autumn	6
	CSCI368	Network Security	Spring	6
	Double Majors A major in Digital Systems Security can be combined with Distributed Systems (code CS44), Software Development (code CS45), Multimedia and Game Development (code CS57) or Politics (code CS52). Second major requirements (and codes) are listed below.			
Education	Distributed Systems (code CS19) Major Study To satisfy the requirements for a major study in Distributed Systems, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirements, and the following additional subjects:			
Engineering	Subjects	Session	Credit Points	
Health & Behavioural Sciences	200-Level			
	CSCI213	Java Programming & Object Oriented Design	Autumn	6
	CSCI214	Distributed Systems	Autumn	6
	300-Level			
	CSCI322	Systems Administration	Spring	6
	CSCI399	Server Technology	Autumn	6
	Double Majors A major in Distributed Systems can be combined with Business Information Systems, Electronic Commerce, Electronics, Multimedia and Game Development (code CS56), Politics or Software Development (code CS28). Second major requirements (and codes) are listed below.			
	Multimedia and Game Development (code CS53) Major Study To satisfy the requirements for a major study in Multimedia and Game Development, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirements, and the following additional subjects:			
Law	Subjects	Session	Credit Points	
Science	Year 1			
	DESN290	Introduction to Graphic Design Fundamentals	Spring	6
	Year 2			
	CSCI236*	3D Modelling and Animation	Spring/Summer	6
	CSCI240	Multimedia Programming Foundations	Autumn	6
	Year 3			
CSCI336	Computer Graphics	Autumn	6	

CSCI343 Game Design and Programming Autumn 6

* Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session.

Students are strongly encouraged to choose some electives from Creative Arts. Please consult with staff in the Faculty of Creative Arts regarding appropriate subjects.

Double Majors

A major in Multimedia and Game Development can be combined with Distributed Systems (code CS56), Digital Systems Security (code CS57) or Software Development (code CS55). Second major requirements (and codes) are listed above and below.

Software Development (code CS20)

Major Study

To satisfy the requirements for a major study in Software Development, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirements, and the following additional subjects:

Subjects		Session	Credit Points
200-Level			
CSCI205	Development Methods and Tools	Spring	6
CSCI235	Databases	Spring	6
300-Level			
CSCI311	Software Process Management	Autumn	6
CSCI318	Software Engineering Practices & Principles	Spring	6

Double Majors

A major in Software Development can be combined with Business Information Systems, Electronic Commerce, Electronics, Multimedia and Game Development (code CS55), Politics or Distributed Systems (code CS28). Second major requirements (and codes) are listed above and below.

Database and Enterprise Systems Applications (code CS58)

Major Study

To satisfy the requirements for a major study in Database and Enterprise Systems Applications, (code CS58), a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed above, and the following additional subjects:

Subjects		Session	Credit Points
200-Level			
CSCI235	Databases	Spring	6
ITCS208	Markup Languages	Autumn	6
CSCI262*	Systems Security	Spring	6
CSCI213	Java Programming and Object Oriented Design	Autumn	6
* It is strongly recommended that this subject be taken in third year			
300-Level			
CSCI315	Database Design and Implementation	Autumn	6
CSCI317	Database Performance Tuning	Spring	6
CSCI399	Server Technology	Spring	6
and			
CSCI407	Corba and Enterprise Java	Spring	6
or			
CSCI398*	Introduction to Enterprise Computing		

* This subject is CSCI407's intended replacement from 2008.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Double Majors A major in Database and Enterprise Systems Applications can be combined with Multimedia and Game Development (code CS53), Distributed Systems (code CS19), Digital Systems Security (code CS42), or Software Development (code CS 20). Second major requirements (and codes) are listed above.		
Commerce	Computer Science and Biological Sciences (code CS32) This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of one of the following 60 credit point majors in Biological Sciences:		
Creative Arts	Environmental and Ecological Strand		
Education	Subjects 100-Level BIOL103 Molecules, Cells and Organisms BIOL104 Evolution, Biodiversity and Environment 200-Level BIOL240 Functional Biology of Plants & Animals BIOL241 Biodiversity: Classification and Sampling BIOL251 Principles of Ecology and Evolution STAT252 Statistics for the Natural Sciences	Session Spring Autumn Autumn Spring Autumn Spring	Credit Points 6 6 6 6 6 6
	Note: STAT252 is equivalent to STAT151. Students undertaking this double major may choose to undertake STAT151 OR STAT252. 300-Level BIOL332 Ecological & Evolutionary Physiology BIOL351 Conservation Biology: Marine and Terrestrial Populations BIOL355 Marine and Terrestrial Ecology Cell and Molecular Strand		
Engineering	Subjects 100-Level BIOL103 Molecules, Cells and Organisms BIOL104 Evolution, Biodiversity and Environment CHEM101 Chemistry 1A CHEM102 Chemistry 1B 200-Level BIOL213 Principles of Biochemistry BIOL215 Introductory Genetics 300-Level BIOL320 Molecular Cell Biology BIOL303 Biotechnology: Applied Cell and Molecular Biology BIOL321 Infection and Immunity	Session Spring Autumn Autumn Spring Autumn Autumn Spring	Credit Points 6 6 6 6 6 6 8 8 8
Health & Behavioural Sciences	Computer Science and Business Information Systems (code CS35)		
Informatics	Distributed Systems and Business Information Systems (code CS40)		
Law	Software Development and Business Information Systems (code CS41) This double major requires satisfactory completion of a major study in Computer Science, Distributed Systems or Software Development and satisfactory completion of a major study in Business Information Systems, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Business Information Systems major. All students must satisfy subject prerequisites except where waivers have been granted.		
Science			

Computer Science and Chemistry (code CS33)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of the following 60 credit point major in Chemistry:

Subjects	Session	Credit Points
100-Level		
CHEM101 Chemistry 1A	Autumn	6
CHEM102 Chemistry 1B	Spring	6
200-Level		
CHEM211 Inorganic Chemistry II	Autumn	6
CHEM212 Organic Chemistry II	Autumn	6
CHEM213 Molecular Structure, Reactivity and Change	Spring	6
CHEM214 Analytical and Environmental Chemistry	Spring	6
300-Level		
At least 3 subjects chosen from the following:		
CHEM301 Advanced Materials and Nanotechnology	Spring	8
CHEM314 Instrumental Analysis	Autumn	8
CHEM320 Bioinformatics: From Genome to Structure	Spring	8
CHEM321 Organic Synthesis and Reactivity	Spring	8
CHEM327 Environmental Chemistry	Autumn	8
CHEM340 Chemistry Laboratory Project	Autumn/Spring/ Summer	8
CHEM364 Molecular Structure and Spectroscopy	Autumn	8

Computer Science and Electronic Commerce (code CS36)

Distributed Systems and Electronic Commerce (code CS30)

Software Development and Electronic Commerce (code CS29)

This double major requires satisfactory completion of a major study in Computer Science, Distributed Systems or Software Development and satisfactory completion of the following 54 credit point major study in Electronic Commerce:

Subjects	Session	Credit Points
200-Level		
IACT201 Information Technology and Citizens' Rights	Autumn	6
Plus		
200-level Electronic Commerce subjects		18
300-Level		
IACT303 World Wide Networking	Spring	6
Plus		
300/400-level Electronic Commerce subjects		18
Plus		
200/300-level Electronic Commerce subject		6

Note: Students should choose electives carefully as many of the following subjects have pre-requisites. Depending upon subject choice, a load of more than four subjects per session may be required to complete this double major within the normal three year period.

Electronic Commerce Subjects

ACCY231	Information Systems in Accounting	Spring	6
ACCY332	Advanced Information Systems in Accounting	Autumn	6
ACCY335	Advanced Information Systems in Accounting II	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BUSS311	Advanced Database Management Systems	Autumn	6
	BUSS312	Distributed Information Systems	Autumn	6
	CSCI213	Java Programming & Object Oriented Design	Autumn	6
	CSCI214	Distributed Systems	Autumn	6
	CSCI236★	3D Modelling & Animation	Spring and Summer	6
Commerce	CSCI311	Software Process Management	Autumn	6
	CSCI361	Computer Security	Autumn	6
	CSCI399	Server Technology	Autumn	6
	ECON230	Quantitative Analysis for Decision Making	Spring	6
	ECON312	Industrial Economics	Autumn	6
Creative Arts	ECON319	Electronic Commerce and the Economics of Information	Spring	6
	FIN353	Global Electronic Finance	Autumn	6
	IACT304	Principles of eBusiness	Autumn	6
	IACT305	eBusiness Technologies	Autumn	6
	IACT406	Strategic eBusiness Solutions	Spring	6
Education	IACT417	Information Management	Autumn	6
	IACT419	Online Information Services	Spring	6
	ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
	ITCS450	Patterns for eBusiness	Autumn	6
	ITCS451	Web Services for Dynamic eBusiness	Spring	6
Engineering	LAW210	Contract Law	Spring	6
	LAW317	E-Commerce Law	n/o 2007	6
	LAW331	Intellectual Property Law	Autumn	6
	MARK301	Internet Applications for Marketing	Spring	6
	MGMT200	Management and Electronic Business	Autumn	6
Health & Behavioural Sciences	MGMT300	Innovation and Electronic Commerce	Spring	6
	★ Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session, so this subject is not suitable for anyone wishing to graduate in December.			
	Computer Science and Electronics (code CS37)			
	Distributed Systems and Electronics (code CS38)			
	Software Development and Electronics (code CS39)			
Informatics	This double major requires satisfactory completion of a major study in Computer Science, Distributed Systems or Software Development and satisfactory completion of the following 66 credit point major study in Electronics:			
	Subjects	Session	Credit Points	
	100-Level			
	ECTE172	Introduction to Circuits and Devices	Spring	6
	MATH187	Mathematics 1A Part 1	Autumn	6
Law	MATH188	Mathematics 1A Part 2	Spring	6
	Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
	200-Level			
	ECTE202	Circuits and Systems	Annual	6
	ECTE212	Electronics	Spring	6
Science	ECTE233	Digital Hardware 1	Autumn	6
	MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
	300-Level			
	ECTE333	Digital Hardware 2	Annual	6

ECTE344	Control Theory	Autumn	6
Plus			
ECTE301	Digital Signal Processing 1	Autumn	6
Or			
ECTE363	Communication Systems	Spring	6

Note: A load of more than four subjects per session may be required to complete this double major within the normal three year period.

Computer Science and English Language Studies (code CS08)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major study in English Language Studies, as outlined in the Bachelor of Arts entry.

Note that a major in English Language Studies for Non-English Speaking Background (NESB) students consists of 58 credit points, while a major in English Language Studies for English Speaking Background (ESB) students consists of 52 credit points.

Computer Science and Geosciences (code CS34)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of the following 60 credit point major in Geosciences:

Subjects	Session	Credit Points
100-Level		
At least two 100-level subjects chosen from the Earth and Environmental Sciences Schedule		12
200-Level		
At least four 200-level subjects chosen from the Earth and Environmental Sciences Schedule		24
300-Level		
At least three 300-level subjects chosen from the Earth and Environmental Sciences Schedule		24

Computer Science and Management (code CS09)

Software Development and Management (code CS46)

Distributed Systems and Management (code CS47)

Digital Systems Security and Management (code CS48)

This double major requires satisfactory completion of a major study in Computer Science, Distributed Systems, Digital Systems Security or Software Development and satisfactory completion of a major study in Management, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Management major. All students must satisfy subject prerequisites except where waivers have been granted.

Computer Science and Marketing (code CS10)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major study in Marketing, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Marketing major. All students must satisfy subject prerequisites except where waivers have been granted.

Computer Science and Mathematics (code CS01)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of at least 60 credit points of subjects chosen from the Mathematics Schedule, including at least 18 credit points of 200-level MATH/STAT subjects and 24 credit points of 300-level MATH/STAT subjects.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Computer Science and Politics (code CS49)

Software Development and Politics (code CS50)

Distributed Systems and Politics (code CS51)

Digital Systems Security and Politics (code CS52)

This double major requires satisfactory completion of a major study in Computer Science, Software Development, Distributed Systems or Digital Systems Security and satisfactory completion of a major in Politics, as outlined in the Bachelor of Arts entry. A major in Politics consists of 52 credit points of politics subjects, including at least 24 credit points at 300-level.

Professional Recognition

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a “Professional Level”.

Bachelor of Engineering

Testamur Title of Degree:	Bachelor of Engineering (name of major)
Majors available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	BE
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	722E
UAC Code:	755621, 755622, 755623.
CRICOS Code:	031273G

Overview

The aim of the Bachelor of Engineering degree is to produce professional engineers who possess the graduate attributes of the University and Engineers Australia and the requisite knowledge, skills and attitudes to further develop in their chosen careers; and who graduate with the proficiency to compete successfully anywhere in the world. The success of the degree in meeting this aim is evidenced by the number of graduates employed by large corporations in Australia, the United Kingdom, the United States of America, Europe and Asia.

The degree programs offered are enriched by the industry partnerships, which exist between the University and industry. Traditionally, Engineering at Wollongong has had close ties with the Port Kembla steel industry and these continue today. Research activities have diversified over the years with the establishment of major research institutes and centres in fields such as Telecommunications and Information Technology, Power Quality and Reliability.

There are three majors within the degree, viz., Computer, Electrical and Telecommunications Engineering. For all three majors, the program of study is common until the end of Autumn Session in Year 3, providing students with the opportunity to finally select the major of their choice at the end of that session. The course programs are presented below.

In addition, four double degrees are offered. The double degrees provide the opportunity for students to combine their engineering studies with a Bachelor of Arts, Bachelor of Commerce, Bachelor of Mathematics or Bachelor of Science. Full details of the programs of study for the double degrees are presented in the next section.

Entry Requirements / Assumed Knowledge

Approximate UAI: 80

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1 and Physics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

For the Bachelor of Engineering, students must satisfactorily complete at least 192 credit points of subjects prescribed in one of the major studies listed below.

The degree may be completed in a minimum of four years of full-time study; however, subjects are scheduled so that it may also be undertaken on a part-time basis, in which case the duration will depend upon the particular circumstances of the student. Progression is by subject but the various subject pre- and co-requisites must be satisfied.

There is a recommended program for a full-time, four year minimum course and a preferred part-time program for students in approved, full-time professional employment. For holders of TAFE qualifications, programs will be determined on an individual basis but exemptions of up to 48 credit points may apply.

For the recommended full-time program, students are required to complete satisfactorily the first year before beginning the third year and to complete satisfactorily the second year before beginning the fourth year. With the approval of the Head of School, these requirements may be waived.

For the recommended part-time program, students are required to complete satisfactorily the first two stages before beginning the fourth stage and to complete satisfactorily the third stage before beginning the sixth stage. With the approval of the Head of School, these requirements may be waived.

All Bachelor of Engineering students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with Learning Development within Student Services. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis.

Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly, and will be required to repeat the literacy test the following year. Enrolment in, and attendance at literacy courses will be the individual responsibility of the students concerned.

Professional Experience

All Bachelor of Engineering students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 3 and 4.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year. The classes of honours awarded are defined in the Course Rules.

Major Study Areas

Recommended Full-Time Program

Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors

As a result of the Bachelor of Engineering course changes, students enrolling in Year 3 and beyond in 2007 will follow transition programs provided to them individually by the School.

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MATH188	Mathematics 1A Part 2	Spring	6
	PHYS142	Fundamentals of Physics B	Spring/Summer	6
	Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Commerce	Year 2			
	ECTE202	Circuits and Systems	Annual	6
	ECTE250	Engineering Design and Management 2	Annual	6
	ECTE233	Digital Hardware 1	Autumn	6
	ENGG291	Engineering Fundamentals	Autumn	6
	MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
Creative Arts	ECTE203	Signals and Systems	Spring	6
	ECTE212	Electronics	Spring	6
	ECTE222	Power Engineering 1	Spring	6
Education	Computer Engineering Major			
	Subjects		Session	Credit Points
	Year 3			
	ECTE333	Digital Hardware 2	Annual	6
	ECTE350	Engineering Design and Management 3	Annual	6
	ECTE301	Digital Signal Processing	Autumn	6
Engineering	ECTE344	Control Theory	Autumn	6
	ECTE364	Data Communications	Autumn	6
	ECTE331	Embedded Java Systems	Spring	6
	ECTE363	Communication Systems	Spring	6
	Plus	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6
	Year 4			
Health & Behavioural Sciences	ECTE457	Thesis	Annual	18
	Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
	Plus	1 Final Year Specialisation Subjects	Autumn/Spring	6
	Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Informatics	OR			
	Plus	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
	Electrical Engineering Major			
Law	Subjects		Session	Credit Points
	Year 3			
	ECTE333	Digital Hardware 2	Annual	6
	ECTE350	Engineering Design and Management 3	Annual	6
	ECTE301	Digital Signal Processing	Autumn	6
	ECTE344	Control Theory	Autumn	6
Science	ECTE364	Data Communications	Autumn	6
	ECTE323	Power Engineering 2	Spring	6
	ECTE363	Communication Systems	Spring	6
	Plus	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6
	Year 4			
	ECTE457	Thesis	Annual	18
	Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18

Plus	1 Final Year Specialisation Subjects	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6

Telecommunications Engineering Major

Subjects		Session	Credit Points
Year 3			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE363	Communication Systems	Spring	6
ECTE365	Communication Systems Modelling	Spring	6
Plus	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6
Year 4			
ECTE457	Thesis	Annual	18
Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
Plus	1 Final Year Specialisation Subjects	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6

Final Year Major Subjects

These will be selected from the following lists. Unless class numbers warrant, not all subjects will be offered in any year.

Note: For the ECTE subjects a pre-requisite of “all year 2 subjects or equivalent” applies to EACH subject in addition to any other pre- or co-requisite given.

Computer Engineering Major

Subjects		Session	Credit Points
CSCI318	Software Engineering Practices and Principles	Autumn	6
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6

Electrical Engineering Major

Subjects		Session	Credit Points
ECTE402	Optimum Signal Processing	n/o 2007	6
ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	ECTE471	Robotics and Flexible Automation	Spring	6
	Telecommunications Engineering Major			
Commerce	Subjects		Session	Credit Points
	ECTE401	Multimedia Signal Processing	Autumn	6
	ECTE402	Optimum Signal Processing	n/o 2007	6
	ECTE465	Wireless Communication Systems	Spring	6
	ECTE468	Error Control Coding	n/o 2007	6
	ECTE482	Network Engineering	Autumn	6
Creative Arts	Final Year Specialisation Subjects			
	These will be selected from the following list of subjects. Unless class numbers warrant, not all subjects will be offered in any year.			
Education	Note: A pre-requisite of “all year 2 subjects or equivalent” applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.			
	Subjects		Session	Credit Points
Engineering	ECTE401	Multimedia Signal Processing	Autumn	6
	ECTE402	Optimum Signal Processing	n/o 2007	6
	ECTE412	Power Electronics and Drives	Autumn	6
	ECTE423	Power System Analysis	Autumn	6
	ECTE426	Power Distribution Systems	Spring	6
	ECTE431	Real-Time Computing	Autumn	6
	ECTE432	Computer Architecture	Spring	6
	ECTE433	Embedded Systems	Autumn	6
	ECTE441	Intelligent Control	Autumn	6
	ECTE442	Computer Controlled Systems	Spring	6
Health & Behavioural Sciences	ECTE465	Wireless Communication Systems	Spring	6
	ECTE468	Error Control Coding	n/o 2007	6
	ECTE471	Robotics and Flexible Automation	Spring	6
	ECTE482	Network Engineering	Autumn	6
Informatics	Recommended Part-Time Program for Students in Full-Time, Approved Professional Employment			
	As a result of the Bachelor of Engineering course changes, students enrolling in Stage 4 and beyond in 2007 will follow transition programs provided to them individually by the School.			
Law	Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors			
	Subjects		Session	Credit Points
Science	Stage 1			
	ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
	MATH187	Mathematics 1A Part 1	Autumn	6
	MATH188	Mathematics 1A Part 2	Spring	6
	PHYS142	Fundamentals of Physics B	Spring/ Summer	6
	Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Science	Stage 2			
	CSCI191	Engineering Programming 1	Autumn	6
	ECTE233	Digital Hardware 1	Autumn	6
	PHYS141	Fundamentals of Physics A	Autumn/Summer	6
	CSCI192	Engineering Programming 2	Spring	6
	ECTE172	Introduction to Circuits and Devices	Spring	6

Stage 3			
ECTE202	Circuits and Systems	Annual	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
Stage 4			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE333	Digital Hardware 2	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE212	Electronics	Spring	6
Plus	1 General Schedule subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6

Computer Engineering Major

Stage 5			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE331	Embedded Java Systems	Spring	6
ECTE363	Communication Theory	Spring	6
Stage 6			
	2 Computer Engineering Major Subjects	Autumn/Spring	12
Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Stage 7			
ECTE457	Thesis	Annual	18
Plus	1 Computer Engineering Major Subject	Autumn	6

Electrical Engineering Major

Subjects		Session	Credit Points
Stage 5			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6
ECTE363	Communication Systems	Spring	6
Stage 6			
	2 Electrical Engineering Major Subjects	Autumn/Spring	12
Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Stage 7			
ECTE457	Thesis	Annual	18

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Plus 1 Electrical Engineering Major Subject		Autumn	6
	Telecommunications Engineering Major			
Commerce	Subjects		Session	Credit Points
	Stage 5			
	ECTE350	Engineering Design and Management 3	Annual	6
	ECTE301	Digital Signal Processing	Autumn	6
	ECTE364	Data Communications	Autumn	6
	ECTE363	Communication Systems	Spring	6
Creative Arts	ECTE365	Communication Systems Modelling	Spring	6
	Stage 6			
	2 Telecommunications Engineering Major Subjects		Autumn/Spring	12
	Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
	Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Education	OR			
	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval		Autumn/Spring	6
	Stage 7			
	ECTE457	Thesis	Annual	18
Engineering	Plus	1 Telecommunications Engineering Major Subject	Autumn	6
	Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program.			
	Professional Recognition			
Health & Behavioural Sciences	The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.			
	The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.			
Informatics	Bachelor of Information and Communication Technology			
	Testamur Title of Degree: Bachelor of Information and Communication Technology			
Law	Abbreviation: BInfoTech			
	Home Faculty: Informatics			
Science	Duration: 4 years (8 full-time sessions) or part-time equivalent			
	Total Credit Points: 192			
	Delivery Mode: Face-to-face			
	Starting Session(s): Autumn/Spring			
	Location: Wollongong			
	UOW Course Code: 706A			
	UAC Code: 754111, 754112, 754115, 754121, 754122.			
	CRICOS Code: 003291D			
	Overview			
	This degree is designed to provide graduates with the necessary knowledge and skills to be successful in the dynamic and changing world of Information Technology (IT).			
	The degree meets the needs of future IT professionals by ensuring students are taught foundation skills in areas such as programming, World Wide Web applications and the technical management of IT. In addition, students are equipped with the knowledge that enables them to make sense of changing business environments, the role of IT in this change and where this change is likely to lead.			
	Students undertake a major in one of the following areas:			
	Business Information Systems			

eBusiness Management
eBusiness Technologies
Network and Systems Management
Software Engineering

In providing a multi-disciplinary approach to the study of Information Technology (IT), students may combine the major studies listed above, or complete a second major in an area such as Electronic Commerce, Data Analysis, Marketing or Modelling.

In addition, students may choose subjects from Multimedia, Management, Law, Communications and Science and Technology Studies.

Students are awarded an Honours degree if they perform at a sufficiently high level throughout their studies and enrol in the research project subjects in their fourth year.

Entry Requirements / Assumed Knowledge

Approximate UAI: 80

Assumed Knowledge: Any two units of English plus Mathematics

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit

Course Requirements

A candidate must satisfactorily complete the following requirements to be eligible for a Bachelor of Information and Communication Technology:

1. Candidates must satisfactorily complete at least 192 credit points of subjects prescribed in one of the major studies listed below. The programs listed below are guidelines as to how best to proceed through the course. Candidates may enrol as they see fit, but must satisfactorily complete all prescribed compulsory subjects, and the credit points prescribed for electives, and satisfy all other requirements listed below to be eligible for the award.
2. No more than 60 credit points may be 100-level subjects.
3. At least 36 credit points must be 300-level subjects.
4. At least 42 credit points must be chosen from the IACT 400-Level Subject List.
5. All students must satisfactorily complete one of IACT450 or IACT451 (admission to IACT450 is subject to conditions noted in paragraph 6 below). Students may not gain credit for the completion of both subjects.
6. To be eligible for the award of Honours, candidates must satisfactorily complete IACT441 and IACT450 within the 42 credit points prescribed in requirement 4.
7. Entry to IACT441 will be based on:
 - a) overall academic performance,
 - b) either a weighted average mark (WAM) of at least 67.5 or, where a student has articulated into the program and has completed less than 48 credit points at UOW, a weighted GPA based on prior qualification plus WAM for session completed at UOW, and
 - c) approval from the Head of School.

Candidates should refer to the Course Rules for calculations of WAMs.

Industry Placement

Bachelor of Information and Communication Technology students must satisfactorily complete two 8 week periods of approved industry placement, assessed in the form of written reports. These are normally undertaken in the summer sessions at the end of second and third year.

In exceptional circumstances where a student has proven substantive work experience in relevant industry they may apply to be exempted from the Industry placement, but, if approved, will be required to undertake an alternative task(s) as specified by the Head of School.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Major Study Areas

Students enrolled in this degree must complete one of the following approved major studies or combined major studies:

Arts	ITE	Software Engineering
	ITB	Network and Systems Management
	ITD	Business Information Systems
Commerce	ITI	eBusiness Management
	ITJ	eBusiness Technologies
	ITEB	Software Engineering / Network and Systems Management
	ITED	Software Engineering / Business Information Systems
	ITBD	Network and Systems Management / Business Information Systems
Creative Arts	ITEE	Software Engineering / Marketing
	ITBE	Network and Systems Management / Marketing
	ITDE	Business Information Systems / Marketing
	ITEF	Software Engineering / Data Analysis
	ITBF	Network and Systems Management / Data Analysis
Education	ITDF	Business Information Systems / Data Analysis
	ITEG	Software Engineering / Modelling
	ITBG	Network and Systems Management / Modelling
	ITDG	Business Information Systems / Modelling
	ITEH	Software Engineering / Electronic Commerce
Engineering	ITBH	Network and Systems Management / Electronic Commerce
	ITDH	Business Information Systems / Electronic Commerce
	ITDI	Business Information Systems / eBusiness Management
	ITDJ	Business Information Systems / eBusiness Technologies
	ITIB	eBusiness Management / Network and Systems Management
Health & Behavioural Sciences	ITIE	eBusiness Management / Software Engineering
	ITIJ	eBusiness Management / eBusiness Technologies
	ITIK	eBusiness Management / Marketing
	ITJB	eBusiness Technologies / Network and Systems Management
	ITJE	eBusiness Technologies / Software Engineering
Informatics	ITJK	eBusiness Technologies / Marketing

Additional Subjects List

The following subjects are approved for inclusion in the Bachelor of Information and Communication Technology degree.

When choosing subjects from the Additional Subject List, it is recommended that students examine sequences suggested in the handouts produced by the School. Check subject information to ensure that pre- and co-requisites are met.

Subjects	Session	Credit Points
ACCY100 Accounting IA	Autumn/Spring	6
ACCY102 Accounting IB	Spring/Summer	6
ACCY231 Information Systems in Accounting	Spring	6
ACCY380 Accounting for Information Technology	Autumn/Spring	6
BUSS111 Business Programming I (not to count with CSCI114)	Spring/Summer	6
BUSS201 User-Centred Business Programming	Autumn	6
BUSS211 Requirements Determination and Systems Analysis	Autumn	6
BUSS212 Database Management Systems	Spring	6
BUSS213 Content Management in Organisations	Spring	6
BUSS214 Business Programming II	Autumn	6
BUSS215 Business Programming III	Spring	6
BUSS218 Systems Design and Architecture	Spring	6

BUSS308	Computer Systems Management	Spring	6	Arts
BUSS311	Advanced Database Management Systems	Autumn	6	
BUSS312	Distributed Information Systems	Autumn	6	
BUSS315	Knowledge-Based Information Systems	Autumn	6	
BUSS316	Information Systems Prototyping	Autumn	6	
BUSS317	Business Programming IV	Spring	6	Commerce
COMM351	Business Ethics and Governance	Spring	6	
CCS105	Introduction to Communications and Cultural Studies	Autumn	6	
CSCI102	Systems	Spring	6	
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6	
CSCI114	Procedural Programming (not to count with BUSS111)	Autumn/Spring	6	Creative Arts
CSCI124	Applied Programming	Autumn/Spring	6	
CSCI203	Algorithms and Data Structures	Autumn	6	
CSCI204	Object Programming and Frameworks	Spring	6	
CSCI205	Development Methods and Tools	Spring	6	
CSCI212	Interacting Systems	Autumn	6	Education
CSCI213	Java Programming & Object Oriented Design	Autumn	6	
CSCI214	Distributed Systems	Autumn	6	
CSCI222	Systems Development	Spring	6	
CSCI231	Operating Systems	Spring	6	
CSCI235	Databases	Spring	6	Engineering
CSCI236*	3D Modelling and Animation	Spring and Summer	6	
CSCI240	Multimedia Programming Foundations	Autumn	6	
CSCI262	Systems Security	Spring	6	
CSCI311	Software Process Management	Autumn	6	
CSCI313	Professional Programming Practices	n/o 2007	6	Health & Behavioural Sciences
CSCI315	Database Design and Implementation	Autumn	6	
CSCI317	Database Performance Tuning	Spring	6	
CSCI318	Software Engineering Practices & Principles	Spring	6	
CSCI321	Project	Annual	12	
CSCI322	Systems Administration	Spring	6	Informatics
CSCI324	Human Computer Interface	Autumn	6	
CSCI333	Compilers	n/o 2007	6	
CSCI334	Interfacing and Real Time Programming	n/o 2007	6	
CSCI336	Computer Graphics	Autumn	6	
CSCI337	Organisation of Programming Languages	Spring	6	Law
CSCI343	Game Design and Programming	Autumn	6	
CSCI361	Computer Security	Autumn	6	
CSCI368	Network Security	Spring	6	
CSCI399	Server Technology	Autumn	6	
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6	Science
ECON111	Introductory Microeconomics	Autumn/Spring	6	
ECON215	Microeconomic Theory and Policy	Spring	8	
ECON319	Electronic Commerce and the Economics of Information	Spring	8	
EDUE313	Interactive Multimedia by Design	Autumn	6	
EDUE314	Interactivity and The Web	Spring	6	
EDUE413	Managing Multimedia Resources	Autumn	6	
EDUE414	Cognition, Interface and Interactivity	Spring	6	
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6	

Arts	ECTE172	Introduction to Circuits and Devices	Spring	6
	ECTE182	Internet Technology 1	Spring	6
	ECTE195	Design and Management	Autumn	6
	ECTE233	Digital Hardware I	Autumn	6
	ECTE282	Internet Systems	Autumn	6
Commerce	ECTE283	Internet Technology II	Spring	6
	ECTE333	Digital Hardware 2	Annual	6
	ECTE363	Communication Systems	Spring	6
	ECTE364	Data Communications	Autumn	6
	ECTE491	Computer Architectures	Autumn	6
Creative Arts	ELL151	English for Academic Purposes: A Second Language Perspective	Autumn	6
	ELL152	English Language Studies 1	Spring	6
	ELL161	English for Academic Purposes: A First Language Perspective	Spring	6
	IACT303	World Wide Networking	Spring	6
	IACT304	Principles of eBusiness	Autumn	6
Education	IACT305	eBusiness Technologies	Autumn	6
	ITCS206	Markup Languages	Autumn	6
	ITCS301	Exploiting Collaborative Technologies	Spring	6
	LAW100	Law in Society	Autumn	6
	LAW210	Contract Law	Spring	6
Engineering	LAW331	Intellectual Property Law	Autumn	6
	LAW348	Media Law	Spring	6
	MATH121	Discrete Mathematics	Autumn	6
	MATH141	Mathematics 1C Part 1	Autumn	6
	MATH142	Mathematics 1C Part 2	Spring	6
Health & Behavioural Sciences	MATH161	Mathematics 1E Part 1	Spring	6
	MATH162	Mathematics 1E Part 2	Summer	6
	MATH187	Mathematics 1A Part 1	Autumn	6
	MATH188	Mathematics 1A Part 2	Spring	6
	MATH201	Multivariate and Vector Calculus	Autumn	6
Informatics	MATH202	Differential Equations 2	Spring	6
	MATH203	Linear Algebra	Autumn	6
	MATH212	Applied Mathematical Modelling 2	Spring	6
	MATH302	Differential Equations 3	Autumn	6
	MATH312	Applied Mathematical Modelling 3	Autumn	6
Law	MATH313	Industrial Mathematical Modelling	Spring	6
	MGMT102	Business Communications	Spring	6
	MGMT110	Introduction to Management and Employment Relations	Autumn/Spring	6
	MGMT200	Management and Electronic Business	Autumn	6
	MGMT201	Organisational Behaviour	Autumn	6
Science	MGMT220	Organisational Studies	Spring	6
	MGMT300	Innovation and Electronic Commerce	Spring	6
	MGMT309	Supply Chain Management	Spring	6
	MGMT311	Management of Change	Spring	6
	MGMT314	Strategic Management	Autumn/Spring	6
	MGMT321	Management of Occupational Health and Safety	Spring	6
	MGMT398	Human Resource Management	Autumn/Spring	6
	MARK101	Marketing Principles	Autumn/Spring	6
	MARK217	Consumer Behaviour	Autumn	6
	MARK270	Services Marketing	Spring	6

MARK301	Internet Applications for Marketing	Spring	6
MARK317	Business to Business Marketing	Autumn	6
MARK343	International Marketing	Autumn	6
MARK344	Marketing Strategy	Spring	6
MARK356	New Product Marketing	Autumn	6
MARK359	Sales Management	n/o 2006	6
MARK397	Retail Marketing Management	Autumn	6
PHYS142	Fundamentals of Physics B	Spring/Summer	6
POL111	Australian Politics	Autumn	6
POL224	Politics and the Media	Spring	8
POL225	International Relations: An Introduction	Autumn	8
STAT131	Understanding Variation and Uncertainty	Autumn/Spring	8
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
STAT332	Multiple Regression And Time Series	Spring	6
STAT304	Applied Probability and Financial Risk	Autumn	6
STS100	Social Aspects of Science and Technology	Autumn	6
STS116	Environment in Crisis: Technology and Society	Spring	6
STS120	Technology in Society: East and West	Spring	6
STS128	Computers in Society	Spring	6
STS341	Technological Change, Popular Culture & New Media	Spring	8

or any subject approved by the Head of School

* Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session, so this subject is not suitable for anyone wishing to graduate in December.

IACT 400 Level Subject List

Note: pre-requisites for all 400-level subjects is a minimum of 24 credit points at 300-level

Subjects		Session	Credit Points
IACT401	IT Strategic Planning	Spring	6
IACT402	Applied Project Management	Spring	6
IACT403	Human Computer Interface	Autumn	6
IACT404	International Telecommunications Policy Issues	n/o 2007	6
IACT405	Information Technology and Innovation	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT416	Organisational Issues in Information Technology	Autumn	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	On-Line Information Services	Spring	6
IACT422	Case Studies in Information Technology Applications	Spring	6
IACT424	Corporate Network Design and Implementation	Spring	6
IACT426	Information Society, Knowledge Work and Information Technology	n/o 2007	6
IACT430	Special Topics in Information and Communication Technology	n/o 2007	6
IACT431	Special Topics in Information and Communication Technology - A	n/o 2007	6
IACT432	Special Topics in Information and Communication Technology - B	n/o 2007	6
IACT433	Special Topics in Telecommunications Issues	n/o 2007	6
IACT441	IT Research Methodology	Autumn/Spring	6
IACT450	Research Report	Spring	18
CSCI407	CORBA & Enterprise Java	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	CSCI410	Formal Methods in Software Engineering	Autumn	6
	CSCI444	Perception and Planning	Spring	6
	CSCI445	Parallel Computing	n/o 2007	6
	CSCI446	Multimedia Studies	Autumn	6
	CSCI450	Software Engineering Requirements and Specifications	Spring	6
Commerce	CSCI457	Advanced Topics in Database Management	Autumn	6
	CSCI463	Advanced Computer Graphics	Autumn	6
	CSCI464	Neural Computing	Autumn	6
	CSCI465	Design and Analysis of Algorithms	Spring	6
	CSCI466	Coding for Secure Communication	Autumn	6
Creative Arts	CSCI467	Complexity Theory	n/o 2007	6
	CSCI471	Advanced Computer Security	Spring	6
	INFO411	Data Mining & Knowledge Discovery	Spring	6
	INFO412	Mathematics for Cryptography	Autumn	6
	INFO413	Information Theory	Spring	6
Education	ITCS429	Concept and Issues in Healthcare Computing	Spring	6
	ITCS430	Introduction to Health Informatics	Autumn	6
	ITCS431	Advanced Web Application Development	n/o 2007	6
	ITCS432	Web Design	Spring	6
	ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
Engineering	ITCS450	Patterns for eBusiness	Autumn	6
	ITCS451	Web Services for Dynamic eBusiness	Spring	6
Note: Not all subjects available every year.				
Honours To qualify for an award of Honours, students must satisfactorily complete IACT441 and IACT450 and any other requirements listed in Year 4 (Honours) of one of the Major study programs listed below. Students intending to do Honours should apply and be accepted by the end of December of the previous year.				
Health & Behavioural Sciences	Major Study Areas Software Engineering (code ITE) Major Study To satisfy the requirements for a major study in Software Engineering, a student shall satisfactorily complete the following program:			
Informatics	Subjects	Session	Credit Points	
	Year 1			
Law	CSCI102	Systems	Spring	6
	CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
	CSCI114	Procedural Programming	Autumn/Spring	6
	CSCI124	Applied Programming	Autumn/Spring	6
	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
Science	ECTE182	Internet Technology I	Spring	6
	Plus 100-level subjects chosen from the Additional Subjects List, or second major subjects.			12
	Year 2			
	CSCI204	Object Programming and Frameworks	Autumn	6
	CSCI205	Development Methods and Tools	Spring	6
	CSCI235	Databases	Spring	6
	CSCI213	Java Programming & Object Oriented Design	Autumn	6

IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
Plus 200-level subjects chosen from the Additional Subjects List, or second major subjects.			12
Year 3			
CSCI311	Software Process Management	Autumn	6
CSCI321	Project	Annual	12
CSCI318	Software Engineering Practices & Principles	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
Plus 200/300-level subjects chosen from the Additional Subjects List, or second major subjects.			12
Year 4 (non-Honours)			
IACT451	IT Project	Annual	12
Plus two subjects chosen from:			
CSCI410	Formal Methods in Software Engineering	Autumn	6
CSCI450	Software Requirement and Specifications	Spring	6
IACT402	Applied Project Management	Spring	6
Plus additional subjects chosen from the IACT400 Level Subjects List (NOTE: ITCS436 is strongly recommended, but not mandatory)			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6
Year 4 (Honours)			
IACT441	IT Research Methodology	Autumn	6
IACT450	Research Report	Spring	18
Plus two subjects chosen from:			
CSCI410	Formal Methods in Software Engineering	Autumn	6
CSCI450	Software Requirement and Specifications	Spring	6
IACT402	Applied Project Management	Spring	6
Plus one subject chosen from the IACT400 Level Subjects List			6
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6
Double Major			
A major in Software Engineering can be combined with Network and Systems Management, Business Information Systems, Marketing, Data Analysis, Modelling or Electronic Commerce.			

Network and Systems Management (code ITB)

Major Study

To satisfy the requirements for a major study in Network and Systems Management, a student shall satisfactorily complete the following program:

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
CSCI124	Applied Programming	Autumn/Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
ECTE182	Internet Technology I	Spring	6
Plus 100-level subjects chosen from the Additional Subjects List, or second major subjects.			12
Year 2			
CSCI204	Object Programming and Frameworks	Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI213	Java Programming & Object Oriented Design	Autumn	6
ECTE283	Internet Technology II	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	IACT201	Information Technology and Citizens' Rights	Autumn	6
	IACT202	The Structure and Organisation of Telecommunications	Spring	6
	Plus 200-level subjects chosen from the Additional Subjects List, or second major subjects.			12
	Year 3			
Commerce	CSCI322	Systems Administration	Spring	6
	CSCI399	Server Technology	Autumn	6
	IACT301	Information and Communication Security Issues	Spring	6
	IACT302	Corporate Network Planning	Autumn	6
Plus 200/300-level subjects chosen from the Additional Subjects List, or second major subjects.			24	
Year 4 (Non-Honours)				
Creative Arts	IACT451	IT Project	Annual	12
	IACT418	Corporate Network Management	Autumn	6
	IACT424	Corporate Network Design and Implementation	Spring	6
	Plus additional subjects chosen from the IACT400 Level Subjects List			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6	
Year 4 (Honours)				
Education	IACT441	IT Research Methodology	Autumn/Spring	6
	IACT450	Research Report	Spring	18
	IACT418	Corporate Network Management	Autumn	6
	IACT424	Corporate Network Design and Implementation	Spring	6
Plus one subject chosen from the IACT400 Level Subjects List			6	
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6	
Double Major				
Engineering	A major in Network and Systems Management can be combined with Software Engineering, Business Information Systems, Marketing, Data Analysis, Modelling or Electronic Commerce. Second major requirements are listed below.			
	Business Information Systems (code ITD)			
Health & Behavioural Sciences	Major Study			
	To satisfy the requirements for a major study in Business Information Systems, a student shall satisfactorily complete the following program:			
Informatics	Subjects		Session	Credit Points
	Year 1			
	CSCI102	Systems	Spring	6
	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
Plus either:				
BUSS111	Business Programming I	Spring/Summer	6	
or				
CSCI114	Procedural Programming	Autumn/Spring	6	
Plus 100-level subjects chosen from the Additional Subject List, or second major subjects			18	
Plus 100-level subjects chosen from the General Schedule			12	
Law	Year 2			
	BUSS211	Requirements Determination and Systems Analysis	Autumn	6
	BUSS212	Database Management Systems	Spring	6
	BUSS214	Business Programming II	Autumn	6
Science	IACT201	Information Technology and Citizens' Rights	Autumn	6
	IACT202	The Structure and Organisation of Telecommunications	Spring	6
	Plus 200-level subjects chosen from the Additional Subject List, or second major subjects			18
	Note: BUSS218 is strongly recommended but not mandatory			
Year 3				

BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
BUSS316	Information Systems Prototyping	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
Plus either:			
BUSS317	Business Programming IV	Spring	6
or			
BUSS308	Computer Systems Management	Spring	6
Plus 200/300-level subjects chosen from the Additional Subject List, or second major subjects			12
Year 4 (Non-Honours)			
IACT451	IT Project	Annual	12
Plus additional subjects chosen from the IACT400 Level Subjects List			30
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6
Year 4 (Honours)			
IACT441	IT Research Methodology	Autumn/Spring	6
IACT450	Research Report	Spring	18
Plus additional subjects chosen from the IACT400 Level Subjects List			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Double Major

A major in Business Information Systems can be combined with Software Engineering, Network and Systems Management, eBusiness Management, eBusiness Technologies, Marketing, Data Analysis, Modelling or Electronic Commerce. Second major requirements are listed below.

eBusiness Management (code ITI)

Conducting business online is an increasingly essential feature of an organisation's operation, and the challenges faced are an integrated mix of adaptive business strategies that exploit rapidly evolving technologies. This new major emphasises the business strategy perspective, while providing an understanding of the relevance of both business strategy and IT.

Major Study

To satisfy the requirements for a major study in eBusiness Management, a student shall satisfactorily complete the following program:

Subjects	Session	Credit Points
Year 1		
MGMT102	Business Communications	Spring 6
CSCI102	Systems	Spring 6
ECTE182	Internet Technology 1	Spring 6
Plus either:		
BUSS111	Business Programming I	Spring/Summer 6
or		
CSCI114	Procedural Programming	Autumn/Spring 6
Plus 100-level subjects chosen from the Additional Subject List, or second major subjects		12
Plus 100-level subjects chosen from the General Schedule		12
Note: MGMT110 is strongly recommended in order to complete Year 2 requirements.		
Note: Students are advised that when choosing subjects at 100-level they should plan ahead and carefully consider the impact on their 200-level choices. Some subjects at 200-level have specific pre-requisites.		
Year 2		
IACT201	Information Technology and Citizens' Rights	Autumn 6
IACT202	The Structure and Organisation of Telecommunications	Spring 6
ITCS206	Markup Languages	Autumn 6
Plus at least one of the following subjects:		

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BUSS211	Requirements Determination and Systems Analysis	Autumn	6																								
	CSCI205	Development Methods & Tools	Spring	6																								
	Plus at least one of the following subjects:																											
	BUSS212	Database Management Systems	Spring	6																								
	CSCI235	Databases	Spring	6																								
Commerce	Plus at least one of the following subjects:																											
	MGMT200	Management & Electronic Business	Autumn	6																								
	MGMT201	Organisational Behaviour	Autumn	6																								
	MGMT220	Organisational Studies	Spring	6																								
	Plus 200-level subjects chosen from the Additional Subject List, or second major subjects			12																								
Creative Arts	Year 3																											
	IACT301	Information and Communication Security Issues	Spring	6																								
	IACT302	Corporate Network Planning	Autumn	6																								
	IACT304	Principles of eBusiness	Autumn	6																								
	Plus at least one of the following subjects:																											
Education	MGMT300	Innovation & Electronic Commerce	Spring	6																								
	MGMT309	Supply Chain Management	Spring	6																								
	MGMT311	Management of Change	Spring	6																								
	Plus 300-level subjects chosen from the Additional Subject List, or second major subjects			24																								
	Year 4 (Non-Honours)																											
Engineering	ITCS450	Patterns for eBusiness	Autumn	6																								
	IACT406	Strategic eBusiness Solutions	Spring	6																								
	IACT451	IT Project	Annual	12																								
	Plus additional subjects chosen from the IACT400 Level Subjects List			18																								
	Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6																								
Health & Behavioural Sciences	Year 4 (Honours)																											
	ITCS450	Patterns for eBusiness	Autumn	6																								
	IACT406	Strategic eBusiness Solutions	Spring	6																								
	IACT441	IT Research Methodology	Autumn	6																								
	IACT450	Research Report	Spring	18																								
Informatics	Plus one subject chosen from the IACT400 Level Subjects List			6																								
	Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6																								
	Double Major																											
	A major in eBusiness Management can be combined with Business Information Systems or eBusiness Technologies.																											
	Second major requirements are listed above and below.																											
Law	eBusiness Technologies (code ITJ)																											
	Conducting business online is an increasingly essential feature of an organisation's operation, and the challenges faced are an integrated mix of adaptive business strategies that exploit rapidly evolving technologies. This new major emphasises a hands-on system development perspective, while providing an understanding of the relevance of both business strategy and IT.																											
	Major Study																											
	To satisfy the requirements for a major study in eBusiness Technologies, a student shall satisfactorily complete the following program:																											
	<table><tr><th>Subjects</th><th>Session</th><th>Credit Points</th></tr><tr><td colspan="3">Year 1</td></tr><tr><td>MGMT102</td><td>Business Communications</td><td>Spring</td><td>6</td></tr><tr><td>CSCI102</td><td>Systems</td><td>Spring</td><td>6</td></tr><tr><td>ECTE182</td><td>Internet Technology 1</td><td>Spring</td><td>6</td></tr><tr><td colspan="3">Plus either:</td></tr><tr><td>BUSS111</td><td>Business Programming I</td><td>Spring</td><td>6</td></tr></table>				Subjects	Session	Credit Points	Year 1			MGMT102	Business Communications	Spring	6	CSCI102	Systems	Spring	6	ECTE182	Internet Technology 1	Spring	6	Plus either:			BUSS111	Business Programming I	Spring
Subjects	Session	Credit Points																										
Year 1																												
MGMT102	Business Communications	Spring	6																									
CSCI102	Systems	Spring	6																									
ECTE182	Internet Technology 1	Spring	6																									
Plus either:																												
BUSS111	Business Programming I	Spring	6																									

or			
CSCI114	Procedural Programming	Autumn/Spring	6
Plus 100-level subjects chosen from the Additional Subject List, or second major subjects			12
Plus 100-level subjects chosen from the General Schedule			12
Note: Students are advised that when choosing subjects at 100-level they should plan ahead and carefully consider the impact on their 200-level choices. Some subjects at 200-level have specific pre-requisites.			
Year 2			
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS206	Markup Languages	Autumn	6
Plus at least one of the following subjects:			
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
CSCI205	Development Methods & Tools	Spring	6
Plus at least one of the following subjects:			
BUSS212	Database Management Systems	Spring	6
CSCI235	Databases	Spring	6
Plus either:			
BUSS214	Business Programming II	Autumn	6
or			
CSCI213	Java Programming & Object Oriented Design	Autumn	6
Plus 200-level subjects chosen from the Additional Subject List, or second major subjects			12
Year 3			
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
ITCS301	Exploiting Collaborative Technologies	Spring	6
Plus 300-level subjects chosen from the Additional Subject List, or second major subjects			24
Year 4 (Non-Honours)			
ITCS450	Patterns for eBusiness	Autumn	6
IACT451	IT Project	Annual	12
Plus one subject chosen from the following:			
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
Plus additional subjects chosen from the IACT400 Level Subjects List			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6
Year 4 (Honours)			
ITCS450	Patterns for eBusiness	Autumn	6
IACT441	IT Research Methodology	Autumn/Spring	6
IACT450	Research Report	Spring	18
Plus one subjects chosen from the following:			
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
Plus one subject chosen from the IACT400 Level Subjects List			6
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Double Major

A major in eBusiness Technologies can be combined with Business Information Systems or eBusiness Management. Second major requirements are listed above.

Arts	Marketing Combined Major Study (Code ITEE, ITBE, ITDE, ITIK or ITJK) This double major requires satisfactory completion of a major study in Business Information Systems, Network and Systems Management, Software Engineering, eBusiness Technologies or eBusiness Management and satisfactory completion of a major study in Marketing, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Marketing major. All students must satisfy subject prerequisites except where waivers have been granted.		
Commerce	Data Analysis Combined Major study (Code ITEF, ITBF or ITDF) This double major requires satisfactory completion of a major study in Business Information Systems, Network and Systems Management or Software Engineering and satisfactory completion of the following approved 54 credit point major in Data Analysis:		
Creative Arts	Subjects Year 1 MATH187 Mathematics 1A Part 1 MATH188 Mathematics 1A Part 2 Year 2 STAT231 Probability and Random Variables STAT232 Estimation and Hypothesis Testing MATH203 Linear Algebra Year 3 STAT332 Multiple Regression and Time Series STAT335 Sample Surveys and Experimental Design STAT304 Applied Probability and Financial Risk	Session Autumn Spring Autumn Spring Autumn Spring Autumn Autumn	Credit Points 6 6 6 6 6 6 6 6
Education	Modelling Combined Major study (Code ITEG, ITBG or ITDG) This double major requires satisfactory completion of a major study in Business Information Systems, Network and Systems Management or Software Engineering and satisfactory completion of the following approved 54 credit point major in Modelling:		
Engineering	Subjects Year 1 MATH187 Mathematics 1A Part 1 MATH188 Mathematics 1A Part 2 Year 2 MATH201 Multivariate and Vector Calculus MATH202 Differential Equations 2 MATH212 Applied Mathematical Modelling 2 Year 3 MATH302 Differential Equations 3 MATH312 Applied Mathematical Modelling 3 MATH313 Industrial Mathematical Modelling	Session Autumn Spring Autumn Spring Spring Autumn Autumn Spring	Credit Points 6 6 6 6 6 6 6 6
Health & Behavioural Sciences	Electronic Commerce Combined Major study (code ITEH, ITBH or ITDH) This double major requires satisfactory completion of a major study in Business Information Systems, Network and Systems Management or Software Engineering and satisfactory completion of the following approved 48 credit point major in Electronic Commerce:		
Informatics	Subjects 200-Level 200-level Electronic Commerce subjects 300-Level IACT303 World Wide Networking Plus	Session Spring	Credit Points 18 6
Law			
Science			

300-level Electronic Commerce subjects		18
400-Level		
400-level Electronic Commerce subject		6
Electronic Commerce Subjects		
ACCY231	Information Systems in Accounting	Spring 6
ACCY332	Advanced Information Systems in Accounting	Autumn 6
ACCY335	Advanced Information Systems in Accounting II	Spring 6
BUSS211	Requirements Determination and Systems Analysis	Autumn 6
BUSS212	Database Management Systems	Spring 6
BUSS311	Advanced Database Management Systems	Autumn 6
BUSS312	Distributed Information Systems	Autumn 6
CSCI213	Java Programming & Object Oriented Design	Autumn 6
CSCI214	Distributed Systems	Autumn 6
CSCI236*	3D Modelling and Animation	Spring and Summer 6
CSCI311	Software Process Management	Autumn 6
CSCI361	Computer Security	Autumn 6
CSCI399	Server Technology	Autumn 6
ECON230	Quantitative Analysis for Decision Making	Spring 6
ECON312	Industrial Economics	Autumn 6
ECON319	Electronic Commerce and the Economics of Information	Spring 6
FIN353	Global Electronic Finance	Autumn 6
IACT201	Information Technology and Citizens' Rights	Autumn 6
IACT304	Principles of eBusiness	Autumn 6
IACT305	eBusiness Technologies	Autumn 6
IACT406	Strategic eBusiness Solutions	Spring 6
IACT417	Information Management	Autumn 6
IACT419	Online Information Services	Spring 6
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring 6
ITCS450	Patterns for eBusiness	Autumn 6
ITCS451	Web Services for Dynamic eBusiness	Spring 6
LAW210	Contract Law	Spring 6
LAW317	E-Commerce Law	n/o 2006 6
LAW331	Intellectual Property Law	Autumn 6
MARK301	Internet Applications for Marketing	Spring 6
MGMT200	Management and Electronic Business	Autumn 6
MGMT300	Innovation and Electronic Commerce	Spring 6

* Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session, so this subject is not suitable for anyone wishing to graduate in December.

Professional Recognition

The major studies in Business Information Systems, Network and Systems Management and Software Engineering are accredited by the Australian Computer Society as meeting requirements for membership at a 'Professional level'.

Accreditation for the major studies in eBusiness Management and eBusiness Technologies is being sought for 2007.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Information Technology

Testamur Title of Degree:	Bachelor of Information Technology
Abbreviation:	BIT
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong, Singapore
UOW Course Code:	868, SG868
UAC Code:	754114
CRICOS Code:	031440G

Overview

This degree is designed to provide graduates with the necessary knowledge and skills to be successful in the dynamic and changing world of Information Technology (IT).

The degree has two major studies: Information Systems and Computing.

Entry Requirements / Assumed Knowledge

Approximate UAI: 80

Assumed Knowledge: Any two units of English plus Mathematics

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/.

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/.

Course Requirements

Students who enrol in Bachelor of Information Technology, must satisfactorily complete at least 144 credit points as set out in one of the course structures below. Note that no more than 1/6 of the total credit points completed can be at PC grade.

Computing Major

Subjects	Session	Credit Points
Year 1		
CSCI102 Systems	Spring	6
CSCI103 Algorithms and Problem Solving	Autumn/Spring	6
CSCI114 Procedural Programming	Autumn/Spring	6
CSCI124 Applied Programming	Autumn/Spring	6
MATH121 Discrete Mathematics	Autumn	6
STAT131 Understanding Variation and Uncertainty	Autumn/Spring	6
Plus 100-level subjects chosen from the BIT Electives Schedule or General Schedule		12
Year 2		
CSCI203 Algorithms and Data Structures	Autumn	6
CSCI204 Object Programming and Frameworks	Spring	6
CSCI212 Interacting Systems	Autumn	6
CSCI213 Java Programming & Object Oriented Design	Autumn	6
CSCI222 Systems Development	Spring	6

CSCI235	Databases	Spring	6
IACT201	Information Technology and Citizens Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
Year 3			
CSCI321	Project	Annual	12
CSCI311	Software Process Management	Autumn	6
IACT302	Corporate Network Planning	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
Plus 200/300-level subjects chosen from the BIT Electives Schedule.			12

Information Systems Major

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
CSCI124	Applied Programming	Autumn/Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
Plus 100-level subjects chosen from the BIT Electives Schedule or General Schedule			12
Year 2			
BUSS201	User-Centred Business Programming	Autumn	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS214	Business Programming II	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Content Management in Organisations	Spring	6
BUSS215	Business Programming III	Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
Year 3			
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
BUSS315	Knowledge-Based Information Systems	Autumn	6
IACT302	Corporate Network Planning	Autumn	6
BUSS316	Information Systems Prototyping	Autumn	6
BUSS317	Business Programming IV	Spring	6
BUSS318	Information Systems Project	Spring	6
IACT301	Information and Communication Security Issues	Spring	6

BIT Electives Schedule

Subjects		Session	Credit Points
BUSS201	User-Centred Business Programming	Autumn	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Content Management in Organisations	Spring	6
BUSS214	Business Programming II	Autumn	6
BUSS215	Business Programming III	Spring	6
BUSS218	Systems Design and Architecture	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BUSS308	Computer Systems Management	Spring	6
	BUSS311	Advanced Database Management Systems	Autumn	6
	BUSS312	Distributed Information Systems	Autumn	6
	BUSS315	Knowledge-Based Information Systems	Autumn	6
	BUSS316	Information Systems Prototyping	Autumn	6
Commerce	BUSS317	Business Programming IV	Spring	6
	BUSS318	Information Systems Project	Spring	6
	CSCI203	Algorithms and Data Structures	Autumn	6
	CSCI204	Object Programming and Frameworks	Spring	6
	CSCI205	Development Methods and Tools	Spring	6
Creative Arts	CSCI212	Interacting Systems	Autumn	6
	CSCI213	Java Programming & Object Oriented Design	Autumn	6
	CSCI214	Distributed Systems	Autumn	6
	CSCI222	Systems Development	Spring	6
	CSCI235	Databases	Spring	6
Education	CSCI236★	3D Modelling and Animation	Spring and Summer	6
	CSCI262	Systems Security	Spring	6
	CSCI311	Software Process Management	Autumn	6
	CSCI315	Database Design and Implementation	Autumn	6
	CSCI317	Database Performance Tuning	Spring	6
Engineering	CSCI318	Software Engineering Practices & Principles	Spring	6
	CSCI322	Systems Administration	Spring	6
	CSCI324	Human Computer Interface	Autumn	6
	CSCI334	Interface Real Time Programming	n/o 2007	6
	CSCI336	Computer Graphics	Autumn	6
Health & Behavioural Sciences	CSCI361	Computer Security	Autumn	6
	CSCI368	Network Security	Spring	6
	CSCI399	Server Technology	Autumn	6
	IACT201	Information Technology and Citizens Rights	Autumn	6
	IACT202	The Structure and Organisation of Telecommunications	Spring	6
Informatics	IACT301	Information and Communication Security Issues	Spring	6
	IACT302	Corporate Network Planning	Autumn	6
	IACT303	World Wide Networking	Spring	6
	ITCS206	Markup Languages	Autumn	6
	ITCS301	Exploiting Collaborative Technologies	Spring	6
★ Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session, so this subject is not suitable for anyone wishing to graduate in December.				
Professional Recognition				
Law	The Bachelor of Information Technology is accredited by the Australian Computer Society as meeting requirements for membership at a 'Professional level'.			
Science				

Bachelor of Internet Science and Technology*

Testamur Title of Degree:	Bachelor of Internet Science and Technology
Abbreviation:	BIST
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to -face
Starting Session(s):	Autumn/Spring
Location:	Wollongong.
UOW Course Code:	785.
UAC Code:	754114
CRICOS Code:	032444G

*currently under review.

Overview

The Internet and World Wide Web have revolutionised the way business is conducted and the way information, education, and entertainment services are delivered.

In addition, Internet technology is constantly advancing, and increasingly being incorporated into public telecommunications systems. With more people using the Internet, there is a greater demand for services and information. The next generation of Internet technologies is expected to become a major motivator for on-going business reform over the next five to ten years. The Federal Government has targeted the Internet and the on-line economy as a priority.

This degree provides students with the technical background required to lead the next generation of Internet developments. The degree uses a mix of problem-based learning and more traditional methods used in science and engineering programs. Through collaborative, multidisciplinary project-based learning, students will develop competency in Internet science and technology skills, teamwork and management, giving them a competitive advantage in industry.

This degree has four majors to choose from:

Internet Technology

Internet Applications

Internet Commerce

Internet Science

All majors include a substantial amount of programming. Common subjects across the majors ensure that students have an understanding of the basics of hardware, and some of the legal and social aspects of the Internet.

Entry Requirements / Assumed Knowledge

Approximate UAI: 75

Assumed Knowledge: Any two units of English plus Mathematics

Recommended Studies: HSC Mathematics Extension 1

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students enrolled in Bachelor of Internet Science and Technology shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects prescribed in one of the majors listed below, which must include:

- no more than 60 credit points at 100-level;
- at least 36 credit points at 300/400-level.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Note: Subjects can be undertaken in a different order to that listed in the programs below. However, all subjects must be successfully completed to be awarded the degree.

Honours

Candidates who achieve a credit average or better in the Bachelor of Internet Science and Technology are eligible to enrol in an additional year's study towards a Bachelor of Internet Science and Technology (Honours) (BIST (Hons)).

To qualify for the Bachelor of Internet Science and Technology (Honours), candidates must complete BIST400. The level of Honours awarded at the completion of the course is determined in accordance with the University Course Rules.

The program of study for Bachelor of Internet Science and Technology (Honours) (i.e., BIST400 Internet Science & Technology IV Honours) is 48 credit points and will normally include:

1. an 18 credit point project; and
2. 30 credit points of coursework. This coursework component will consist of individual subjects, including:
 - (a) a research methodology subject, as determined by the Course Coordinator and
 - (b) other subjects, of which 18 credit points must be at 400 level, as approved by the Course Coordinator.

Note: Individual results for the coursework subjects attempted and the project will not be released. Instead, the final result for BIST400 will be calculated by weighting the coursework and project components according to their credit point value.

Major Study Areas

Internet Technology (code IS01)

Major Study

To satisfy the requirements for a major study in Internet Technology, a student shall satisfactorily complete the following approved program:

Subjects	Session	Credit Points
Year 1		
CSCI102 Systems	Spring	6
CSCI103 Algorithms and Problem Solving	Autumn/Spring	6
CSCI114 Procedural Programming	Autumn/Spring	6
CSCI124 Applied Programming	Autumn/Spring	6
MGMT110 Introduction to Management	Autumn/Spring	6
ECTE182 Internet Technology 1	Spring	6
STAT131 Understanding Variation and Uncertainty	Autumn/Spring	6
One of the following subjects is recommended, but may be replaced by an approved BIST Year 1 Elective subject:		
MATH141 Mathematics 1C Part 1	Autumn	6
MATH161 Mathematics 1E Part 1	Spring	6
MATH187 Mathematics 1A Part 1	Autumn	6
Year 1 Electives		
ACCY100 Accounting 1A	Autumn/Spring	6
ACCY102 Accounting 1B	Spring/Summer	6
ECON101 Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111 Introductory Micro Economics	Autumn/Spring	6
ECTE181 WWW Engineering	Autumn	6
LAW100 Law in Society	Autumn	6
MARK101 Marketing Principles	Autumn/Spring	6
MATH121 Discrete Mathematics	Autumn	6
MATH151 General Mathematics 1A	Autumn/Summer	6
Year 2		
ITCS213 Java Programming and the Internet	Autumn	6
ECTE233 Digital Hardware I	Autumn	6
ECTE282 Internet Systems	Autumn	6

ECTE283	Internet Technology 2	Spring	6
INFO202	Project	Annual	6
Plus three Year 2 Electives			18
Year 2 Electives			
CSCI204	Object Programming and Frameworks	Spring	6
CSCI214	Distributed Systems	Autumn	6
CSCI235	Databases	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6
DESN290	Introduction to Graphic Design Fundamentals	Spring	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS206	Markup Languages	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
MATH161	Mathematics 1E Part 1	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
Year 3			
ECTE333	Digital Hardware 2	Annual	6
ECTE364	Data Communications	Autumn	6
ECTE392	Wireless Internet	Autumn	6
IACT303	World Wide Networking	Spring	6
Students must choose one of the following subjects:			
CSCI399	Server Technology	Autumn	6
ECTE281	Embedded Internet Systems	Spring	6
Plus three Year 3 Elective subjects, or a combination of INFO303, ECTE391 and/or Year 3 elective subjects to equal 18 credit points.			
Students with a WAM of 70 + at 200- level are strongly recommended to take:			
INFO303	Advanced Project	Annual	12
Students with a WAM of 70 + at 200- level may choose to take:			
ECTE391	Internet Technology Project	n/o 2006	6
Year 3 Electives			
COMM303	Development of Modern Business	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn/Spring	6
COMM351	Business Ethics and Governance	Spring	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI446	Multimedia Studies	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	Online Information Services	Spring	6
IACT424	Corporate Network Design and Implementation	Spring	6
ITCS432	Web Design	Spring	6
MARK343	International Marketing	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MGMT370 Project Management		n/o 2007	6
	Note that because of pre-requisites, some third year electives are dependent on the choice of electives at second year.			
Internet Applications (code IS02)				
Major Study				
Commerce	To satisfy the requirements for a major study in Internet Applications, a student shall satisfactorily complete the following approved program:			
	Subjects		Session	Credit Points
Creative Arts	Year 1			
	CSCI102	Systems	Spring	6
	CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
	CSCI114	Procedural Programming	Autumn/Spring	6
	CSCI124	Applied Programming	Autumn/Spring	6
	ECTE182	Internet Technology 1	Spring	6
	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
Education	MGMT110	Introduction to Management	Autumn/Spring	6
	Plus one Year 1 Elective subject			6
	Year 1 Electives			
	ACCY100	Accounting 1A	Autumn/Spring	6
	ACCY102	Accounting 1B	Spring/Summer	6
	ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
	ECON111	Introductory Micro-Economics	Autumn/Spring	6
Engineering	ECTE181	WWW Engineering	Autumn	6
	LAW100	Law in Society	Autumn	6
	MARK101	Marketing Principles	Autumn/Spring	6
	MATH121	Discrete Mathematics	Autumn	6
	MATH151	General Mathematics 1A	Autumn/Summer	6
Health & Behavioural Sciences	Year 2			
	ITCS213	Java Programming and the Internet	Autumn	6
	ECTE282	Internet Systems	Autumn	6
	IACT201	Information Technology and Citizens' Rights	Autumn	6
	INFO202	Project	Annual	6
Informatics	Plus four Year 2 Elective subjects			24
	Year 2 Electives			
	CSCI204	Object Programming and Frameworks	Spring	6
	CSCI205	Development Methods and Tools	Spring	6
	CSCI214	Distributed Systems	Autumn	6
	CSCI235	Databases	Spring	6
	DESN211	Introduction to Web Design	Autumn	6
	DESN212	Advanced Web Design	Spring	6
	DESN290	Introduction to Graphic Design Fundamentals	Spring	6
	ECTE202	Circuits and Systems	Annual	6
Law	ECTE212	Electronics	Spring	6
	ECTE233	Digital Hardware 1	Autumn	6
	ECTE281	Embedded Internet Systems	Spring	6
	ECTE283	Internet Technology 2	Spring	6
	IACT202	The Structure and Organisation of Telecommunications	Spring	6
Science	ITCS206	Markup Languages	Autumn	6
	Note that the availability of electives in Year 3 depends on the choices made in Year 2. To have maximum flexibility it is recommended that students choose CSCI204.			

Year 3			
IACT303	World Wide Networking	Spring	6
Plus seven Year 3 Elective subjects, or five Year 3 Elective subjects if students complete INFO303.			
Students with a WAM of 70+ at 200- level are strongly recommended to take:			
INFO303	Advanced Project	Annual	12
Year 3 Electives			
BUSS311	Advanced Database Management Systems	Autumn	6
COMM303	Development of Modern Business	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn/Spring	6
COMM351	Business Ethics and Governance	Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI322	Systems Administration	Spring	6
CSCI324	Human Computer Interface	Autumn	6
CSCI336	Computer Graphics	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI407	Corba & Enterprise Java	Spring	6
CSCI446	Multimedia Studies	Autumn	6
ECTE333	Digital Hardware 2	Annual	6
ECTE364	Data Communications	Autumn	6
ECTE392	Wireless Internet	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT405	Information Technology and Innovation	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	Online Information Services	Spring	6
IACT424	Corporate Network Design and Implementation	Spring	6
IACT430	Special Topics in Information & Communication Technology	n/o 2007	6
ITCS432	Web Design	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
MARK343	International Marketing	Autumn	6
MGMT370	Project Management	n/o 2007	6

Internet Commerce (code IS03)

Students enrolling in this major may need to make a choice about 3rd year electives during the first year. If they wish to study 300- level Accounting or Finance subjects, then they must study both ACCY100 and ACCY102 in the first year and FIN221 and/or ACCY231 in the second year.

In the standard program (see below) this would be possible only for students who might be willing to study in summer session or undertake more than 4 subjects per session. Accordingly a modified program is also presented. This has the disadvantage of restricting some of the choices of CSCI subjects at 300- level.

Major Study

To satisfy the requirements for a major study in Internet Commerce, a student shall satisfactorily complete one of the following recommended programs:

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Standard Program			
	Subjects	Session	Credit Points
Arts	Year 1		
	CSCI102 Systems	Spring	6
	CSCI103 Algorithms and Problem Solving	Autumn/Spring	6
Commerce	CSCI114 Procedural Programming	Autumn/Spring	6
	CSCI124 Applied Programming	Autumn/Spring	6
	ECTE182 Internet Technology 1	Spring	6
	STAT131 Understanding Variation and Uncertainty	Autumn/Spring	6
	MGMT110 Introduction to Management	Autumn/Spring	6
	Plus one Year 1 Elective subject		6
Creative Arts	Year 1 Electives		
	ACCY100 Accounting 1A	Autumn/Spring	6
	ACCY102 Accounting 1B	Spring/Summer	6
	ECON101 Macroeconomic Essentials for Business	Autumn/Spring	6
	ECON111 Introductory Micro-Economics	Autumn/Spring	6
	ECTE181 WWW Engineering	Autumn	6
Education	LAW100 Law in Society	Autumn	6
	MARK101 Marketing Principles	Autumn/Spring	6
	MATH121 Discrete Mathematics	Autumn	6
	MATH151 General Mathematics 1A	Autumn/Summer	6
Engineering	Year 2		
	ITCS213 Java Programming and the Internet	Autumn	6
	ECTE282 Internet Systems	Autumn	6
	IACT201 Information Technology and Citizens' Rights	Autumn	6
	INFO202 Project	Annual	6
	Plus four Year 2 Elective subjects		24
Health & Behavioural Sciences	Year 2 Electives		
	ACCY231 Information Systems in Accounting	Spring	6
	BUSS211 Requirements Determination and Systems Analysis	Autumn	6
	BUSS212 Database Management Systems	Spring	6
	BUSS213 Content Management in Organisations	Spring	6
Informatics	CSCI204 Object Programming and Frameworks	Spring	6
	CSCI205 Development Methods and Tools	Spring	6
	CSCI214 Distributed Systems	Autumn	6
	CSCI235 Databases	Spring	6
	DESN211 Introduction to Web Design	Autumn	6
	DESN212 Advanced Web Design	Spring	6
	DESN290 Introduction to Graphic Design Fundamentals	Spring	6
	ECTE281 Embedded Internet Systems	Spring	6
Law	FIN221 Introductory Business Finance	Autumn/Spring	6
	IACT202 The Structure and Organisation of Telecommunications	Spring	6
	ITCS206 Markup Languages	Autumn	6
	LAW210 Contract Law	Spring	6
	MGMT200 Management and Electronic Business	Autumn	6
Science	Year 3		
	IACT303 World Wide Networking	Spring	6
	Plus at least one of:		
	CSCI446 Multimedia Studies	Autumn	6
	IACT301 Information and Communication Security Issues	Spring	6

IACT302	Corporate Network Planning	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
Plus six Year 3 Elective subjects, or five Year 3 Elective subjects if students complete INFO303.			
Students with a WAM of 70+ at 200- level are strongly recommended to take:			
INFO303	Advanced Project	Annual	12
Year 3 Electives			
ACCY332	Advanced Information Systems in Accounting	n/o 2007	6
ACCY335	Advanced Information Systems in Accounting II	n/o 2007	6
BUSS308	Computer Systems Management	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
COMM303	Development of Modern Business	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn	6
COMM351	Business Ethics and Governance	Spring	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Autumn	6
CSCI336	Computer Graphics	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI407	Corba & Enterprise Java	Spring	6
CSCI446	Multimedia Studies	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
ECTE392	Wireless Internet	Autumn	6
FIN353	Global Electronic Finance	n/o 2007	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT405	Information Technology and Innovation	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	Online Information Services	Spring	6
IACT424	Corporate Network Design and Implementation	Spring	6
IACT430	Special Topics in Information & Communication Technology	n/o 2007	6
ITCS432	Web Design	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW331	Intellectual Property Law	Autumn	6
MARK301	Internet Applications for Marketing	Spring	6
MARK343	International Marketing	Autumn	6
MGMT300	Innovation and Electronic Commerce	Spring	6
MGMT370	Project Management	n/o 2007	6

Modified Program

The following modified program is designed to allow easy access to 300-level Accounting or Finance subjects.

Subjects		Session	Credit Points
Year 1			
ACCY100	Accounting 1A	Autumn/Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	ACCY102	Accounting 1B	Spring/Summer	6
	CSCI102	Systems	Spring	6
	CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
	ECTE182	Internet Technology 1	Spring	6
	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
	MGMT110	Introduction to Management	Autumn/Spring	6
Commerce	Plus one Year 1 Elective subject			6
	Year 1 Electives			
	ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
	ECON111	Introductory Micro-Economics	Autumn/Spring	6
	ECTE181	WWW Engineering	Autumn	6
	LAW100	Law in Society	Autumn	6
Creative Arts	MARK101	Marketing Principles	Autumn/Spring	6
	MATH121	Discrete Mathematics	Autumn	6
	MATH151	General Mathematics 1A	Autumn/Summer	6
	Year 2			
	CSCI114	Procedural Programming	Autumn/Spring	6
	CSCI124	Applied Programming	Autumn/ Spring	6
Education	ECTE282	Internet Systems	Autumn	6
	IACT201	Information Technology and Citizens' Rights	Autumn	6
	IACT303	World Wide Networking	Spring	6
	Plus three Year 2 Elective subjects			18
	Year 2 Electives			
	FIN221	Introductory Business Finance	Autumn/Spring	6
Engineering	ACCY231	Information Systems in Accounting	Spring	6
	BUSS211	Requirements Determination and Systems Analysis	Autumn	6
	BUSS212	Database Management Systems	Spring	6
	BUSS213	Content Management in Organisations	Spring	6
	DESN211	Introduction to Web Design	Autumn	6
	DESN212	Advanced Web Design	Spring	6
Health & Behavioural Sciences	DESN290	Introduction to Graphic Design Fundamentals	Spring	6
	ECTE281	Embedded Internet Systems	Spring	6
	IACT202	The Structure and Organisation of Telecommunications	Spring	6
	ITCS206	Markup Languages	Autumn	6
	LAW210	Contract Law	Spring	6
	MGMT200	Management and Electronic Business	Autumn	6
Informatics	Note: students must choose one or both FIN221 and ACCY231 in order to study ACCY or FIN subjects at 300- level.			
	Year 3			
	ITCS213	Java Programming and the Internet	Autumn	6
	INFO202	Project	Annual	6
	Plus at least one of:			
	CSCI446	Multimedia Studies	Autumn	6
Law	IACT301	Information and Communication Security Issues	Spring	6
	IACT302	Corporate Network Planning	Autumn	6
	IACT406	Strategic eBusiness Solutions	Spring	6
	Plus five Year 3 Elective subjects, or three Year 3 Elective subjects if students complete INFO303.			
	Students with a WAM of 70+ at 200- level are strongly recommended to take:			
	INFO303	Advanced Project	Annual	12
Science	Year 3 Electives			
	ACCY332	Advanced Information Systems in Accounting	n/o 2007	6

ACCY335	Advanced Information Systems in Accounting II	n/o 2007	6
FIN353	Global Electronic Finance	n/o 2007	6
BUSS308	Computer Systems Management	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed information Systems	Autumn	6
COMM303	Development of Modern Business	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn	6
COMM351	Business Ethics and Governance	Spring	6
CSCI204	Object Programming and Frameworks	Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI214	Distributed Systems	Autumn	6
CSCI235	Databases	Spring	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Autumn	6
CSCI336	Computer Graphics	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI407	Corba & Enterprise Java	Spring	6
CSCI446	Multimedia Studies	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT405	Information Technology and Innovation	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	Online Information Services	Spring	6
IACT424	Corporate Network Design and Implementation	Spring	6
IACT430	Special Topics in Information & Communication Technology	n/o 2007	6
ITCS432	Web Design	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW331	Intellectual Property Law	Autumn	6
MARK301	Internet Applications for Marketing	Spring	6
MARK343	International Marketing	Autumn	6
MGMT300	Innovation and Electronic Commerce	Spring	6
MGMT370	Project Management	n/o 2007	6

Internet Science (code IS04)

Major Study

To satisfy the requirements for a major study in Internet Science, a student shall satisfactorily complete the following recommended program:

Subjects	Session	Credit Points
Year 1		
CSCI102	Systems	Spring 6
CSCI103	Algorithms and Problem Solving	Autumn/Spring 6
CSCI114	Procedural Programming	Autumn/Spring 6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	CSCI124	Applied Programming	Autumn/Spring	6
	ECTE182	Internet Technology 1	Spring	6
	MATH187	Mathematics 1A Part 1	Autumn	6
	MATH188	Mathematics 1A Part 2	Spring	6
	MGMT110	Introduction to Management	Autumn/Spring	6
Commerce	Year 2			
	ITCS213	Java Programming and the Internet	Autumn	6
	ECTE282	Internet Systems	Autumn	6
	IACT201	Information Technology and Citizens' Rights	Autumn	6
	INFO202	Project	Annual	6
Creative Arts	STAT231	Probability and Random Variables	Autumn	6
	Plus three Year 2 Elective subjects			18
	Year 2 Electives			
	CSCI204	Object Programming and Frameworks	Spring	6
	CSCI205	Development Methods and Tools	Spring	6
Education	CSCI214	Distributed Systems	Autumn	6
	CSCI235	Databases	Spring	6
	DESN211	Introduction to Web Design	Autumn	6
	DESN212	Advanced Web Design	Spring	6
	DESN290	Introduction to Graphic Design Fundamentals	Spring	6
Engineering	ECTE281	Embedded Internet Systems	Spring	6
	IACT202	The Structure and Organisation of Telecommunications	Spring	6
	ITCS206	Markup Languages	Autumn	6
	MATH121	Discrete Mathematics	Autumn	6
	MATH201	Multivariate and Vector Calculus	Autumn	6
Health & Behavioural Sciences	MATH204	Complex Variables and Group Theory	Spring	6
	MATH222	Continuous and Finite Mathematics	Autumn	6
	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
	STAT232	Estimation and Hypothesis Testing	Spring	6
	STAT252	Statistics for the Natural Sciences	Spring	6
Informatics	Note: STAT131 is not to count with STAT252			
	Year 3			
	IACT303	World Wide Networking	Spring	6
	INFO413	Information Theory	Spring	6
	Plus six Year 3 Elective subjects, or four Year 3 Elective subjects if students complete INFO303.			
Law	Students with a WAM of 70+ at 200- level are strongly recommended to take:			
	INFO303	Advanced Project	Annual	12
	Year 3 Electives			
	CSCI311	Software Process Management	Autumn	6
	CSCI315	Database Design and Implementation	Autumn	6
Science	CSCI324	Human Computer Interface	Autumn	6
	CSCI336	Computer Graphics	Autumn	6
	CSCI399	Server Technology	Autumn	6
	CSCI407	Corba & Enterprise Java	Spring	6
	CSCI446	Multimedia Studies	Autumn	6
	DESN311	Interactive Multimedia Design	Autumn	6
	ECTE363	Communication Systems	Spring	6
	IACT301	Information and Communication Security Issues	Spring	6
	IACT302	Corporate Network Planning	Autumn	6

IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
ITCS432	Web Design	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH372	Special Topics in Mathematical Analysis 3	n/o 2007	6

Professional Recognition

The Bachelor of Internet Science and Technology is accredited by the Australian Computer Society as meeting requirements for membership at a “Professional level”.

Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Mathematics
Abbreviation:	BMath
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	762
UAC Code:	756511
CRICOS Code:	002936B

Overview

This degree is designed to give the graduate a solid foundation in all the skills needed to pursue a career as a professional mathematician or statistician. It is flexible enough to allow students to specialise in an area that is of particular interest, or to gain an introduction to a wide variety of topics. One third of the subjects taken may be from other disciplines, such as computer science, management, finance or science.

Entry Requirements / Assumed Knowledge

Approximate UAI: 75

Assumed knowledge: Any two units of English plus HSC Mathematics (not General Mathematics).

Recommended studies: HSC Mathematics Extension 1.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

The following requirements for the Bachelor of Mathematics degree are to be read in conjunction with University Course Rule 115. Students who enrol in Bachelor of Mathematics, must satisfactorily complete at least 144 credit points from either or both the subjects prescribed for the Bachelor of Mathematics and the General Schedule, including:

1. MATH187 Mathematics 1A Part 1 and MATH188 Mathematics 1A Part 2
2. MATH111 Applied Mathematical Modelling 1 or MATH212 Applied Mathematical Modelling 2
3. MATH121 Discrete Mathematics or MATH222 Continuous and Finite Mathematics
4. STAT131 Understanding Variation and Uncertainty or STAT231 Probability and Random Variables
5. CSCI114 Procedural Programming
6. each of the subjects:
 - MATH201 Multivariate and Vector Calculus
 - MATH202 Differential Equations 2

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<ul style="list-style-type: none">– MATH203 Linear Algebra– MATH204 Complex Variables and Group Theory <p>7. at least one of the subjects:</p> <ul style="list-style-type: none">– MATH212 Applied Mathematical Modelling 2– MATH222 Continuous and Finite Mathematics– STAT231 Probability and Random Variables (not additional to 2 or 3 or 4)																																														
Commerce	<p>8. 300- and/or 400-level subjects from the Mathematics Schedule of subjects with a value of at least:</p> <ul style="list-style-type: none">a. 36 credit points, orb. 24 credit points, should a major study in Computer Science also be satisfactorily completed, orc. 30 credit points, should any other major study also be satisfactorily completed <p>9. within requirements 1. to 8., a major study in either Mathematics or Applied Statistics, and</p> <p>10. no more than 60 credit points at the 100-level.</p>																																														
Creative Arts	<h3>Areas of Major Study</h3> <p>Within the Bachelor of Mathematics, a major study in either Mathematics or Applied Statistics can be combined with a major study in the following disciplines:</p> <p>Computer Science</p>																																														
Education	<p>Economics</p> <p>Econometrics</p> <p>Accountancy</p> <p>Business Information Systems</p> <p>Management</p> <p>Marketing</p>																																														
Engineering	<p>Finance</p> <p>Biomedical Sciences</p> <p>Candidates wishing to major in Mathematics and/or Applied Statistics and a discipline not listed above are advised to first consult with the Associate Dean (Academic) of the Faculty of Informatics for verification of their intended program.</p> <p>Candidates may also study a major in the following areas of science, but this will necessitate completing more than the standard 144 credit points in the degree:</p>																																														
Health & Behavioural Sciences	<p>Biological Sciences</p> <p>Chemistry</p> <p>Geology</p> <p>Human Geography</p> <p>Physical Geography</p> <p>Geoscience</p>																																														
Informatics	<p>Physics</p> <p>Mathematics Schedule of Subjects</p> <p>The following subjects are approved for inclusion in the Bachelor of Mathematics degree.</p> <table><thead><tr><th>Subjects</th><th>Session</th><th>Credit Points</th></tr></thead><tbody><tr><td>100-Level</td><td></td><td></td></tr><tr><td>MATH187</td><td>Mathematics 1A Part 1</td><td>Autumn</td><td>6</td></tr><tr><td>MATH188</td><td>Mathematics 1A Part 2</td><td>Spring</td><td>6</td></tr><tr><td>MATH111</td><td>Applied Mathematical Modelling 1</td><td>Spring</td><td>6</td></tr><tr><td>MATH121</td><td>Discrete Mathematics</td><td>Autumn</td><td>6</td></tr><tr><td>CSCI114</td><td>Procedural Programming</td><td>Autumn/Spring</td><td>6</td></tr><tr><td>STAT131</td><td>Understanding Variation and Uncertainty</td><td>Autumn/Spring</td><td>6</td></tr><tr><td>200-Level</td><td></td><td></td><td></td></tr><tr><td>MATH201</td><td>Multivariate and Vector Calculus</td><td>Autumn</td><td>6</td></tr><tr><td>MATH202</td><td>Differential Equations 2</td><td>Spring</td><td>6</td></tr><tr><td>MATH203</td><td>Linear Algebra</td><td>Autumn</td><td>6</td></tr></tbody></table>	Subjects	Session	Credit Points	100-Level			MATH187	Mathematics 1A Part 1	Autumn	6	MATH188	Mathematics 1A Part 2	Spring	6	MATH111	Applied Mathematical Modelling 1	Spring	6	MATH121	Discrete Mathematics	Autumn	6	CSCI114	Procedural Programming	Autumn/Spring	6	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6	200-Level				MATH201	Multivariate and Vector Calculus	Autumn	6	MATH202	Differential Equations 2	Spring	6	MATH203	Linear Algebra	Autumn	6
Subjects	Session	Credit Points																																													
100-Level																																															
MATH187	Mathematics 1A Part 1	Autumn	6																																												
MATH188	Mathematics 1A Part 2	Spring	6																																												
MATH111	Applied Mathematical Modelling 1	Spring	6																																												
MATH121	Discrete Mathematics	Autumn	6																																												
CSCI114	Procedural Programming	Autumn/Spring	6																																												
STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6																																												
200-Level																																															
MATH201	Multivariate and Vector Calculus	Autumn	6																																												
MATH202	Differential Equations 2	Spring	6																																												
MATH203	Linear Algebra	Autumn	6																																												
Law																																															
Science																																															

MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
300-Level			
MATH302	Differential Equations 3	Autumn	6
MATH305	Partial Differential Equations	Spring	6
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	Spring	6
MATH317	Financial Calculus	Autumn	6
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	n/o 2007	6
MATH323	Topology and Chaos	Spring	6
MATH325	Wavelets	Autumn	6
MATH371	Special Topics in Industrial and Applied Mathematics 3	n/o 2007	6
MATH372	Special Topics in Mathematical Analysis 3	n/o 2007	6
STAT304	Applied Probability and Financial Risk	Autumn	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Spring	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT373	Special Topics in Probability and Statistics 3	n/o 2007	6
400-Level			
INFO411	Data Mining and Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
INFO413	Information Theory	Spring	6

Honours

A fourth year of study, Honours, is available to students who have achieved a Credit average or better in the Bachelor of Mathematics. It is a more challenging program that includes a research project. Students who wish to enter the Honours program should obtain the approval of the Honours Coordinator at the end of their third year.

Major Study Areas

Mathematics (code MATH)

Major Study

To satisfy the requirements for a major study in Mathematics, a student shall satisfactorily complete (at a grade of Pass or better) any MATH, STAT or INFO subjects listed in the Mathematics Schedule, to a total of at least 48 credit points; of which at least 18 credit points must be at 200- level and at least 24 credit points must be at 300- level.

The following suggested programs are intended as a guideline only in selecting suitable supplementary subjects to make a reasonable pattern for Mathematics degrees in the various fields of Mathematics.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined below or not.

Double Major

A major in Mathematics can be combined with Applied Statistics, Computer Science, Economics, Econometrics, Accountancy, Business Information Systems, Management, Marketing, Finance or Biomedical Sciences. Second major requirements are listed below.

Suggested Program in Industrial and Applied Mathematics (including Numerical Analysis)

Subjects	Session	Credit Points
Year 1		

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MATH187	Mathematics 1A Part 1	Autumn	6
	MATH188	Mathematics 1A Part 2	Spring	6
	MATH111	Applied Mathematical Modelling 1	Spring	6
	MATH121	Discrete Mathematics	Autumn	6
	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
Commerce	CSCI114	Procedural Programming	Autumn/Spring	6
	Plus			
	PHYS141	Fundamentals of Physics A	Autumn/Summer	6
Creative Arts	and			
	PHYS142	Fundamentals of Physics B	Spring/Summer	6
	or			
	Subjects chosen from the Mathematics or General Schedules			12
	Year 2			
Education	MATH201	Multivariate and Vector Calculus	Autumn	6
	MATH202	Differential Equations	Spring	6
	MATH203	Linear Algebra	Autumn	6
	MATH204	Complex Variables and Group Theory	Spring	6
	MATH212	Applied Mathematical Modelling 2	Spring	6
Engineering	Plus			
	Subjects chosen from the Mathematics or General Schedules			18
	Year 3			
Health & Behavioural Sciences	MATH302	Differential Equations 3	Autumn	6
	MATH305	Partial Differential Equations	Spring	6
	Plus at least two of the following subjects:			
	MATH312	Applied Mathematical Modelling 3	Autumn	6
	MATH313	Industrial Mathematical Modelling	Spring	6
Informatics	MATH317	Financial Calculus	Autumn	6
	MATH321	Numerical Analysis	Spring	6
	Plus			
	Subjects chosen from the Mathematics Schedule			12
	Plus			
Law	Subjects chosen from the Mathematics or General Schedules			12
	Suggested Program in Mathematical Analysis			
	Subjects	Session	Credit Points	
	Year 1			
	MATH187	Mathematics 1A Part 1	Autumn	6
Science	MATH188	Mathematics 1A Part 2	Spring	6
	MATH111	Applied Mathematical Modelling 1	Spring	6
	MATH121	Discrete Mathematics	Autumn	6
	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
	CSCI114	Procedural Programming	Autumn/Spring	6
	Plus			
	Subjects chosen from the Mathematics or General Schedules			12
	Year 2			
	MATH201	Multivariate and Vector Calculus	Autumn	6
	MATH202	Differential Equations 2	Spring	6
	MATH203	Linear Algebra	Autumn	6
	MATH204	Complex Variables and Group Theory	Spring	6
	MATH222	Continuous and Finite Mathematics	Autumn	6

Plus			
Subjects chosen from the Mathematics or General Schedules			18
Year 3			
MATH302	Differential Equations 3	Autumn	6
MATH322	Algebra	n/o 2007	6
MATH323	Topology and Chaos	Spring	6
MATH325	Wavelets	Autumn	6
Plus			
Subjects chosen from the Mathematics Schedule; other recommended subjects are			
INFO412, INFO413, MATH321			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Suggested Program for Mathematics Teaching

The minimum requirement for employment as a Mathematics teacher is 60 credit points of Mathematics, including a major study at 300-level, however candidates are encouraged to complete a full Mathematics degree.

Subjects		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
Plus			
200-level Mathematics subjects chosen from the Mathematics Schedule			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 3			
300-level subjects chosen from the Mathematics Schedule			36
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Applied Statistics (code STAT)

Major Study

To satisfy the requirements for a major study in Applied Statistics, a student shall satisfactorily complete (at a grade of Pass or better) any MATH or STAT subjects listed in the Mathematics Schedule, to a total of at least 48 credit points; of which at least 12 credit points must be at 200- level and must include STAT231 and STAT232; and at least 24 credit points must be of 300- level STAT subjects.

The following suggested program is intended as a guideline only in selecting suitable supplementary subjects to make a reasonable pattern for a major in Applied Statistics.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined below or not.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Double Major A major in Applied Statistics can be combined with Mathematics, Computer Science, Economics, Econometrics, Accountancy, Business Information Systems, Management, Marketing, Finance or Biomedical Sciences. Second major requirements are listed below.		
	Suggested Program in Applied Statistics		
	Subjects	Session	Credit Points
Commerce	Year 1		
	MATH187 Mathematics 1A Part 1	Autumn	6
	MATH188 Mathematics 1A Part 2	Spring	6
	MATH111 Applied Mathematical Modelling 1	Spring	6
Creative Arts	MATH121 Discrete Mathematics	Autumn	6
	STAT131 Understanding Variation and Uncertainty	Autumn/Spring	6
	CSCI114 Procedural Programming	Autumn/Spring	6
	Plus Subjects chosen from the Mathematics or General Schedules		12
Education	Year 2		
	MATH201 Multivariate and Vector Calculus	Autumn	6
	MATH202 Differential Equations 2	Spring	6
	MATH203 Linear Algebra	Autumn	6
Engineering	MATH204 Complex Variables and Group Theory	Spring	6
	STAT231 Probability and Random Variables	Autumn	6
	STAT232 Estimation and Hypothesis Testing	Spring	6
	Plus Subjects chosen from the Mathematics or General Schedules		12
Health & Behavioural Sciences	Year 3		
	STAT304 Applied Probability and Financial Risk	Autumn	6
	STAT332 Multiple Regression and Time Series	Spring	6
	STAT333 Statistical Inference and Multivariate Analysis	Spring	6
Informatics	STAT335 Sample Surveys and Experimental Design	Autumn	6
	Plus Subjects chosen from the Mathematics Schedule		12
	Plus Subjects chosen from the Mathematics or General Schedules		12
	Double Major in Mathematics and Applied Statistics (code MAST) To satisfy the requirement for a double major in Mathematics and Applied Statistics, a student shall satisfactorily complete at least 24 credit points of 300 level STAT subjects (at a grade of Pass or better) and at least 24 credit points of 300 level MATH subjects (at a grade of Pass or better). Any of the 400 level INFO subjects listed in the Mathematics Schedule may be substituted for a 300 level MATH subject.		
	Mathematics and Computer Science (code MA01)		
	Applied Statistics and Computer Science (code ST01) This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of the following approved 48 credit point major study in Computer Science:		
	Subjects	Session	Credit Points
Law	CSCI103 Algorithms & Problem Solving	Autumn/Spring	6
	CSCI114 Procedural Programming	Autumn/Spring	6
	CSCI124 Applied Programming	Autumn/Spring	6
	CSCI204 Object Programming and Frameworks	Spring	6
Science	Plus 300-level CSCI subjects		24

To ensure a wider range of options at 300-level, students are advised to undertake at least one additional CSCI subject at 200-level.

Mathematics and Economics (code MA03)

Applied Statistics and Economics (code ST03)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of a major study in Economics, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Economics major. All students must satisfy subject prerequisites except where waivers have been granted.

Alternatively candidates may wish to consider enrolling in the Bachelor of Mathematics and Economics or the Bachelor of Mathematics and Finance.

Mathematics and Econometrics (code MA04)

Applied Statistics and Econometrics (code ST04)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of the following approved 48 credit point major study in Econometrics.

Subjects	Session	Credit Points
ECON221 Econometrics	Autumn	6
ECON231 Business Statistics and Forecasting	Autumn	6
ECON230 Quantitative Analysis for Decision Making	Spring	6
ECON322 Mathematical Economics	Spring	6
ECON327 Advanced Econometrics	Spring	6
Plus		
200/300-level Economics subject		6
Plus		
Two 300-level Economics subjects		12

Mathematics and Accountancy (code MA05)

Applied Statistics and Accountancy (code ST05)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Accountancy, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Accountancy major. All students must satisfy subject prerequisites except where waivers have been granted.

Mathematics and Business Information Systems (code MA06)

Applied Statistics and Business Information Systems (code ST06)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Business Information Systems, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Business Information Systems major. All students must satisfy subject prerequisites except where waivers have been granted.

Mathematics and Management (code MA12)

Applied Statistics and Management (code ST12)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Management, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Management major. All students must satisfy subject prerequisites except where waivers have been granted.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Mathematics and Marketing (code MA13) Applied Statistics and Marketing (code ST13) This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Marketing, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Marketing major. All students must satisfy subject prerequisites except where waivers have been granted.																																																														
Commerce	Mathematics and Finance (code MA14) Applied Statistics and Finance (code ST14) This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Finance, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Finance major. All students must satisfy subject prerequisites except where waivers have been granted.																																																														
Creative Arts	Alternatively candidates may wish to consider enrolling in the Bachelor of Mathematics and Economics or the Bachelor of Mathematics and Finance. Mathematics and Biomedical Sciences (code MA15) Applied Statistics and Biomedical Sciences (code ST15) This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of the following approved 54–56 credit point major study in Biomedical Science.																																																														
Education	<table> <tr> <th>Subjects</th><th></th><th>Session</th><th>Credit Points</th></tr> <tr> <td>BMS101</td><td>Systemic Anatomy</td><td>Autumn</td><td>6</td></tr> <tr> <td>BMS112</td><td>Human Physiology I: Principles and Systems</td><td>Spring</td><td>6</td></tr> <tr> <td>BMS202</td><td>Human Physiology II: Control Mechanisms</td><td>Autumn</td><td>6</td></tr> <tr> <td>BMS242</td><td>Exercise Physiology</td><td>Spring</td><td>6</td></tr> <tr> <td>BMS342</td><td>Advanced Exercise Physiology</td><td>Autumn</td><td>8</td></tr> <tr> <td>BMS344</td><td>Cardiorespiratory Physiology</td><td>Autumn</td><td>8</td></tr> <tr> <td>and either</td><td></td><td></td><td></td></tr> <tr> <td>BMS211</td><td>Foundations of Biomechanics</td><td>Autumn</td><td>6</td></tr> <tr> <td>or</td><td></td><td></td><td></td></tr> <tr> <td>BMS352</td><td>Fundamentals of Neuroscience</td><td>Autumn</td><td>8</td></tr> <tr> <td>and either</td><td></td><td></td><td></td></tr> <tr> <td>BMS341</td><td>Clinical Biomechanics</td><td>Spring</td><td>8</td></tr> <tr> <td>or</td><td></td><td></td><td></td></tr> <tr> <td>BMS346</td><td>Motor Control and Dysfunction</td><td>Spring</td><td>8</td></tr> </table>			Subjects		Session	Credit Points	BMS101	Systemic Anatomy	Autumn	6	BMS112	Human Physiology I: Principles and Systems	Spring	6	BMS202	Human Physiology II: Control Mechanisms	Autumn	6	BMS242	Exercise Physiology	Spring	6	BMS342	Advanced Exercise Physiology	Autumn	8	BMS344	Cardiorespiratory Physiology	Autumn	8	and either				BMS211	Foundations of Biomechanics	Autumn	6	or				BMS352	Fundamentals of Neuroscience	Autumn	8	and either				BMS341	Clinical Biomechanics	Spring	8	or				BMS346	Motor Control and Dysfunction	Spring	8
Subjects		Session	Credit Points																																																												
BMS101	Systemic Anatomy	Autumn	6																																																												
BMS112	Human Physiology I: Principles and Systems	Spring	6																																																												
BMS202	Human Physiology II: Control Mechanisms	Autumn	6																																																												
BMS242	Exercise Physiology	Spring	6																																																												
BMS342	Advanced Exercise Physiology	Autumn	8																																																												
BMS344	Cardiorespiratory Physiology	Autumn	8																																																												
and either																																																															
BMS211	Foundations of Biomechanics	Autumn	6																																																												
or																																																															
BMS352	Fundamentals of Neuroscience	Autumn	8																																																												
and either																																																															
BMS341	Clinical Biomechanics	Spring	8																																																												
or																																																															
BMS346	Motor Control and Dysfunction	Spring	8																																																												
Engineering																																																															
Health & Behavioural Sciences																																																															
Informatics	Mathematics/Statistics and Various Sciences Students should refer to an Academic Adviser in the school of Maths and Applied Statistics for assistance with choice of subjects.																																																														
Law	MA07 Mathematics and Biology MA08 Mathematics and Chemistry MA02 Mathematics and Geography MA09 Mathematics and Geology MA10 Mathematics and Physics MA11 Mathematics and Ecology and Biogeography ST07 Applied Statistics and Biology ST08 Applied Statistics and Chemistry ST02 Applied Statistics and Geography ST09 Applied Statistics and Geology ST10 Applied Statistics and Physics ST11 Applied Statistics and Ecology and Biogeography																																																														
Science																																																															

Bachelor of Mathematics Advanced

Testamur Title of Degree:	Bachelor of Mathematics (Advanced)
Abbreviation:	BMathAdv
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	762A
UAC Code:	756512
CRICOS Code:	036040F

Overview

This challenging Bachelor degree is available to students who have superior mathematical knowledge on entry, allowing the amount of first year mathematics subjects to be significantly reduced. This enables students to take enrichment projects, which provide opportunities to build links with industry and to understand the interaction between mathematics and society. Students will also have close interaction with active academic researchers.

Entry Requirements / Assumed Knowledge

Approximate UAI: 92

Assumed Knowledge: HSC Mathematics Extension 2

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

Students who enrol in Bachelor of Mathematics Advanced, must satisfactorily complete at least 144 credit points from either or both the Mathematics and the General Schedule including:

1. MATH110
2. CSC114
3. each of the subjects MATH201, MATH202, MATH203 and MATH204
4. each of the subjects MATH212, MATH222 and STAT231
5. the subject MATH235 or STAT235
6. the subject MATH345 or STAT345
7. 300- and/or 400- level subjects from the Mathematics Schedule with a value of at least:
 - a. 36 credit points, or
 - b. 24 credit points, if there is a major study in Computer Science
 - c. 30 credit points, if there is any other major study
8. a major study in Mathematics or Statistics (apart from MATH345 and STAT345)
9. no more than 60 credit points at 100- level.
10. continuation in the Bachelor of Mathematics Advanced (code 762A) will normally be dependent upon achieving an average of at least 75% each year. Students who do not meet the required average will be transferred to the Bachelor of Mathematics degree (code 762).

Note that a student could do some 300- level subjects in second year.

Course Program

Recommended Program in Mathematics, Statistics plus another discipline

The following is a possible enrolment program for someone doing a “major” in a discipline other than Mathematics, Statistics or Computer Science. Considerable variation is possible. However, please note that this program does not satisfy the formal requirements for a major in the other discipline. Candidates are advised to check the requirements for a major in other disciplines listed under the Bachelor of Mathematics degree regulations.

Subjects	Session	Credit Points
----------	---------	---------------

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Year 1			
	MATH110	Advanced Mathematics 1	Autumn	6
	MATH201	Multivariate and Vector Calculus	Autumn	6
	MATH203	Linear Algebra	Autumn	6
	MATH202	Differential Equations 2	Spring	6
Commerce	CSCI114	Procedural Programming	Autumn/Spring	6
	Plus	Other subjects		18
	Year 2			
	MATH235/			
	STAT235	Project A	Autumn/Spring	6
Creative Arts	STAT231	Probability and Random Variables	Autumn	6
	MATH204	Complex Variables and Group Theory	Spring	6
	MATH212	Applied Mathematical Modelling 2	Spring	6
	MATH222	Continuous and Finite Mathematics	Autumn	6
	Plus	Other subjects		18
Education	Year 3			
	MATH345/			
	STAT345	Project B	Autumn/Spring	6
	Plus	MATH/STAT 300- level subjects		24
	Plus	Other Major subjects		18
Recommended Program in Industrial and Applied Mathematics				
Subjects		Session	Credit Points	
Engineering	Year 1			
	MATH110	Advanced Mathematics 1	Autumn	6
	MATH201	Multivariate and Vector Calculus	Autumn	6
	MATH203	Linear Algebra	Autumn	6
	MATH202	Differential Equations 2	Spring	6
Health & Behavioural Sciences	CSCI114	Procedural Programming	Autumn/Spring	6
	Plus	Other subjects		18
	Year 2			
	MATH235	Mathematics Project A	Autumn	6
	STAT231	Probability and Random Variables	Autumn	6
Informatics	MATH204	Complex Variables and Group Theory	Spring	6
	MATH212	Applied Mathematical Modelling 2	Spring	6
	MATH222	Continuous and Finite Mathematics	Autumn	6
	Plus	Other subjects		18
	Year 3			
Law	MATH302	Differential Equations 3	Autumn	6
	MATH305	Partial Differential Equations	Spring	6
	MATH345	Mathematics Project B	Spring	6
	Plus at least two subjects chosen from:			
	MATH312	Applied Mathematical Modelling 3	Autumn	6
Science	MATH313	Industrial Mathematical Modelling	Spring	6
	MATH317	Financial Calculus	Autumn	6
	MATH321	Numerical Analysis	Spring	6
	Plus one 300-level subject chosen from the Mathematics Schedule			6
	Plus	Other subjects		12
Recommended Program in Mathematical Analysis				
Subjects		Session	Credit Points	

Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus	Other subjects		18
Year 2			
STAT231	Probability and Random Variables	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
MATH235	Mathematics Project A	Autumn	6
Plus	Other subjects		18
Year 3			
MATH302	Differential Equations 3	Autumn	6
MATH345	Mathematics Project B	Spring	6
MATH322	Algebra	n/o 2007	6
MATH323	Topology and Chaos	Spring	6
MATH325	Wavelets	Autumn	6
Plus one 300-level subject chosen from the Mathematics Schedule; recommended subjects are INFO412; INFO413; or MATH321			6
Plus	Other subjects		12

Recommended Program in Applied Statistics

Subjects		Session	Credit Points
Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus	Other subjects		18
Year 2			
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
STAT235	Statistics Project A	Autumn/Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus	Other subjects		12
Year 3			
STAT304	Applied Probability and Financial Risk	Autumn	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Spring	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT345	Statistics Project B	Autumn/Spring	6
Plus one 300-level subject chosen from the Mathematics Schedule			6
Plus	Other subjects		12

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Honours

A fourth year of study, Honours, is available to students who have achieved a Distinction average or better in the Bachelor of Mathematics (Advanced). It is a challenging program that includes a research project.

Students who wish to enter the Honours program should obtain the approval of the Honours Coordinator at the end of their third year.

Bachelor of Mathematics and Economics

Testamur Title of Degree:	Bachelor of Mathematics and Economics
Abbreviation:	BMathEcon
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	767A
UAC Code:	756502
CRICOS Code:	017733A

Overview

The Bachelor of Mathematics and Economics is an elite course that provides high-level training in both disciplines, and equips graduates for careers in a wide variety of fields. It is also advantageous for graduates who wish to pursue higher degrees or research in economics to have a strong background in mathematics.

Entry Requirements / Assumed Knowledge

Approximate UAI: 82

Assumed knowledge: Any two units of English plus HSC Mathematics (not General Mathematics).

Recommended study: HSC Mathematics Extension 1

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

Students who enrol in Bachelor of Mathematics and Economics, shall satisfactorily complete at least 192 credit points of prescribed subjects, together with the requirements prescribed for this program.

The following program of study is recommended to satisfy the requirements in minimum time. The subjects listed are compulsory.

Course Program

Subjects		Session	Credit Points
Year 1			
ACCY100	Accounting 1A	Autumn/Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
MATH111★	Applied Mathematical Modelling 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
Plus either			6
BUSS111	Business Programming I	Spring	6
or			
CSCI114	Procedural Programming	Autumn/Spring	6

* MATH111 may be replaced with 6 credit points of electives and completed in a subsequent year instead.

Year 2

ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6

Plus

200-level MATH/STAT subjects from List of Electives 12

Plus

ACCY/ECON subject from List of Electives 6

Note: Students interested in Statistics are recommended to take STAT231, STAT232 and STAT332.

Year 3

ECON221	Econometrics	Autumn	6
ECON322	Mathematical Economics	Spring	6
MATH302	Differential Equations 3	Autumn	6
MATH317	Financial Calculus	Autumn	6

Plus either

300-level ECON subject from List of Electives 6

or

STAT232 Estimation & Hypothesis Testing Spring 6

Plus

300-level MATH/STAT subject from List of Electives 6

Plus

ACCY/BUSS/ECON subject from List of Electives 6

Plus

Any 200/300-level subject from List of Electives 6

Year 4 (Non Honours)

ECON327	Advanced Econometrics	Spring	6
MGMT208	Introduction to Management for Professionals A	Autumn	6

Plus either

300-level ECON subjects from List of Electives 12

Or

300-level ECON subject from List of Electives 6

and

STAT232 Estimation & Hypothesis Testing Spring 6

Plus

300/400-level INFO/MATH/STAT subjects from List of Electives 24

Year 4 (Honours)

Entry to this program is restricted to candidates who satisfy the pre-requisite to INFO402

ECON327	Advanced Econometrics	Spring	6
MATH471	Honours Topics in Mathematics A (see Note 1)	Autumn/Spring	6
MATH472	Honours Topics in Mathematics B (see Note 1)	Autumn/Spring	6
INFO402	Mathematics and Economics Honours Project (see Note 2)	Annual	12
MGMT208	Introduction to Management for Professionals A	Autumn	6

Plus

300-level ECON subject from the List of Electives 6

Plus

300/400-level INFO/MATH/ECON/STAT subject from the List of Electives. 6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Note 1: Enrolment in MATH471 or MATH472 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course, or permission of the Head of the School of Mathematics and Applied Statistics.</p> <p>Note 2: Enrolment in INFO402 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course, or permission of Course Coordinator.</p>		
	List of Electives		
Commerce	ACCY102	Accounting 1B	Spring/Summer 6
	FIN241	International Financial Management	Autumn 6
	BUSS110	Introduction to Business Information Systems	Autumn/Spring/Summer 6
Creative Arts	BUSS201	User- Centred Business Programming	Autumn 6
	BUSS211	Requirements Determination and Systems Analysis	Autumn 6
	ECON301	Monetary Economics	Autumn 6
	ECON305	Economic Policy	Spring 6
	ECON309	Environmental Economics	Spring 6
	ECON310	Cost Benefit Analysis	Spring 6
	ECON317	Economics of Health Care	Autumn 8
Education	ECON322	Mathematical Economics	Spring 6
	ECON331	Financial Economics	Spring 6
	INFO411	Data Mining and Knowledge Discovery	Spring 6
	INFO412	Mathematics for Cryptography	Autumn 6
	INFO413	Information Theory	Spring 6
Engineering	MATH204	Complex Variable and Group Theory	Spring 6
	MATH212	Applied Mathematical Modelling 2	Spring 6
	MATH222	Continuous and Finite Mathematics	Autumn 6
	MATH305	Partial Differential Equations	Spring 6
	MATH321	Numerical Analysis	Spring 6
	MATH322	Algebra	Autumn 6
Health & Behavioural Sciences	MATH323	Topology and Chaos	Spring 6
	MATH371	Special Topics in Industrial and Applied Mathematics 3	n/o 2007 6
	MATH372	Special Topics in Mathematical Analysis 3	n/o 2007 6
	STAT231	Probability and Random Variables	Autumn 6
	STAT232	Estimation and Hypothesis Testing	Spring 6
	STAT304	Applied Probability and Financial Risk	Autumn 6
	STAT332	Multiple Regression and Time Series	Spring 6
Informatics	STAT333	Statistical Inference and Multivariate Analysis	Spring 6
	STAT335	Sample Surveys and Experimental Design	Autumn 6
	STAT373	Special Topics in Probability and Statistics 3	Autumn 6
	STAT471	Honours Topics in Statistics A	Autumn/Spring 6
	STAT472	Honours Topics in Statistics B	Autumn/Spring 6
	Honours		
Law	Students who enrol in the Honours program must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.		
Science			

Bachelor of Mathematics and Finance

Testamur Title of Degree:	Bachelor of Mathematics and Finance
Abbreviation:	BMATHFin
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	767
UAC Code:	756503
CRICOS Code:	016107B

Overview

The Bachelor of Mathematics and Finance is an elite degree that provides graduates with a firm foundation in both mathematics and finance.

The degree covers the basics of corporate finance, financial institutions and investments, and allows students to specialise through the choice of elective subjects.

Entry Requirements / Assumed Knowledge

Approximate UAI: 82

Assumed Knowledge: Any two units of English plus HSC Mathematics (not General Mathematics).

Recommended Studies: HSC Mathematics Extension 1

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

Students who enrol in Bachelor of Mathematics and Finance shall satisfactorily complete at least 192 credit points of prescribed subjects, together with the requirements prescribed for the program.

Of the 192 credit points:

1. the subjects listed in the Recommended Program are compulsory unless explicitly stated otherwise;
2. at least 168 credit points shall be for MATH, STAT, ACCY, ECON, FIN and MGMT subjects;
3. no more than 66 credit points shall be for 100-level subjects;

For the non-Honours strand, at least 60 credit points shall be for 300- and/or 400-level subjects; including

1. at least 24 credit points of MATH/STAT/INFO subjects and
2. at least 24 credit points of ACCY/FIN subjects;

For the Honours strand,

1. 12 credit points shall be for the project INFO401 and
2. at least 60 additional credit points shall be for 300- and/or 400-level subjects; the 60 additional credit points shall include at least:
 - a. 24 credit points of MATH/STAT/INFO subjects,
 - b. 24 credit points of ACCY/FIN subjects,
 - c. 24 credit points of 400-level subjects, and
 - d. One 400-level 6 credit point MATH, STAT or INFO subject.

The Bachelor of Mathematics and Finance degree structure also includes three (3) suggested subject streams for students interested in pursuing careers in particular branches of the quantitative finance industry such as:

- corporate finance and investments,
- risk management and actuarial studies, and
- financial services industry.

Students are encouraged to look at these alternative streams on the School's website and discuss the choice of subjects with their course coordinator.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Course Program

The following program of study is recommended to satisfy the requirements in minimum time.

Subjects	Session	Credit Points
Year 1		
ACCY100 Accounting 1A	Autumn/Spring	6
ACCY102 Accounting 1B	Spring/Summer	6
ECON111 Introductory Microeconomics	Autumn/Spring	6
MATH187 Mathematics 1A Part 1	Autumn	6
MATH188 Mathematics 1A Part 2	Spring	6
MATH111 Applied Mathematical Modelling 1	Spring	6
STAT131# Understanding Variation and Uncertainty	Autumn/Spring	6
Plus either		
BUSS111 Business Programming I	Spring	6
or		
CSCI114 Procedural Programming	Autumn/Spring	6
# Not compulsory, but highly recommended. Students may select an alternative subject from the List of Electives or enrol in a compulsory subject from a later year of the program		
Year 2		
FIN221 Introductory Business Finance	Autumn/Spring	6
ECON101 Macroeconomic Essentials for Business	Autumn/Spring	6
MATH201 Multivariate and Vector Calculus	Autumn	6
MATH202 Differential Equations 2	Spring	6
FIN223 Investment Analysis	Spring	6
STAT231 Probability and Random Variables	Autumn	6
STAT232 Estimation and Hypothesis Testing	Spring	6
Plus		
Subject chosen from List of Electives		6
Year 3		
FIN322 Advanced Business Finance	Spring	6
FIN323 Portfolio Management	Autumn	6
ECON331 Financial Economics	Spring	6
MATH203 Linear Algebra	Autumn	6
MATH317 Financial Calculus	Autumn	6
STAT332 Multiple Regression and Time Series	Spring	6
Plus		
Subjects chosen from List of Electives		12
Year 4 (Non Honours)		
Subjects chosen from List of Electives		48
Year 4 (Honours) Entry to this program is restricted to candidates who satisfy the prerequisite to INFO401		
ACCY407 Empirical Research Methods	Autumn	6
INFO401 Mathematics and Finance Honours Project (see Note 4)	Spring/ Annual	12
Plus		
Subjects chosen from List of Electives		30
Note 4: Enrolment in INFO401 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course.		
List of Electives		
ACCY201 Financial Accounting IIB	Spring	6
ACCY200 Financial Accounting IIA	Autumn	6

ACCY407	Empirical Research Methods	Autumn	6	Arts
BUSS212	Database Management Systems	Spring	6	
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6	
CSCI124	Applied Programming	Autumn/Spring	6	
CSCI204	Object Programming and Frameworks	Spring	6	
CSCI235	Databases	Spring	6	Commerce
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6	
ECON216	International Trade Theory and Policy	Spring	6	
ECON221	Econometrics	Autumn	6	
ECON301	Monetary Economics	Autumn	6	
ECON305	Economic Policy	Spring	6	Creative Arts
ECON307	International Monetary Economics	Spring	6	
ECON322	Mathematical Economics	Spring	6	
ECON327	Advanced Econometrics	Spring	6	
FIN226	Financial Markets & Institutions	Autumn	6	
FIN251	Introduction to Financial Planning	Autumn	6	Education
FIN320	Risk and Insurance	Spring	6	
FIN324	Financial Statement Analysis	Autumn	6	
FIN325	Bank Management	Autumn	6	
FIN328	Retirement and Estate Planning	Autumn	6	
FIN329	Advanced Financial Planning	Spring	6	Engineering
FIN351	International Finance	Spring	6	
FIN353	Global Electronic Finance	n/o 2007	6	
FIN359	Selected Issues in Finance	Autumn	6	
FIN422	Advanced Investment Analysis	Autumn	6	
FIN423	Advanced Portfolio Management	Spring	6	Health & Behavioural Sciences
FIN424	Advanced Financial Statement Analysis	Autumn	6	
FIN425	Banking Theory and Practice	Autumn	6	
FIN426	Advanced Corporate Finance	Autumn	6	
FIN428	Multinational Financial Management	Spring	6	
FIN487	Special Topic in Finance	Autumn	6	Informatics
IACT201	Information Technology and Citizens' Rights	Autumn	6	
INFO411	Data Mining and Knowledge Discovery	Spring	6	
INFO412	Mathematics for Cryptography	Autumn	6	
INFO413	Information Theory	Spring	6	
LAW100	Law in Society	Autumn	6	Law
LAW210	Contract Law	Spring	6	
MATH121	Discrete Mathematics	Autumn	6	
MATH204	Complex Variables and Group Theory	Spring	6	
MATH222	Continuous and Finite Mathematics	Autumn	6	
MATH302	Differential Equations 3	Autumn	6	Science
MATH305	Partial Differential Equations	Spring	6	
MATH321	Numerical Analysis	Spring	6	
MATH322	Algebra	n/o 2007	6	
MATH323	Topology and Chaos	Spring	6	
MATH325	Wavelets	Autumn	6	
MATH371	Special Topics in Industrial and Applied Mathematics 3	n/o 2007	6	
MATH372	Special Topics in Mathematical Analysis 3	n/o 2007	6	
MATH471	Honours Topics in Mathematics A	Autumn/Spring	6	
MATH472	Honours Topics in Mathematics B	Autumn/Spring	6	

Arts	MGMT208	Introduction to Management for Professionals A	Autumn	6
	STAT131	Understanding Variation and Uncertainty	Autumn/Spring	6
	STAT304	Applied Probability and Financial Risk	Autumn	6
	STAT333	Statistical Inference and Multivariate Analysis	Spring	6
	STAT335	Sample Surveys and Experimental Design	Autumn	6
Commerce	STAT373	Special Topics in Probability and Statistics 3	Autumn	6
	STAT471	Honours Topics in Statistics A	Autumn/Spring	6
	STAT472	Honours Topics in Statistics B	Autumn/Spring	6

Honours

Students who enrol in the Honours program must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Bachelor of Computer Science - Bachelor of Science

Testamur Title of Degree:	Bachelor of Computer Science (name of major) Bachelor of Science (name of major)
Abbreviation:	BCompSc-BSc
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	768
UAC Code:	751402
CRICOS Code:	017737G

Overview

Please refer to the entries for the Bachelor of Computer Science and Bachelor of Science (in Faculties of Science and Engineering).

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Computer Science and Bachelor of Science (in Faculties of Science and Engineering).

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

To qualify for the double degree of Bachelor of Computer Science and Bachelor of Science, candidates must satisfactorily complete the subjects and credit points as prescribed in the following Program, and in so doing, satisfy the requirements for the Bachelor of Computer Science and the Bachelor of Science, respectively.

Minimum Performance Requirement

Candidates must maintain a weighted average mark (WAM) of at least 65 at the end of each year, otherwise they must show cause as to why they should be permitted to remain registered for the two courses.

Candidates who, at the end of any year of registration, have satisfied the minimum rate of progress requirements as specified in the General Course Rules, but who do not have a WAM of at least 65 and who have not given adequate reason as to why they should be permitted to continue with registration for the joint course, will be required to transfer into either a Bachelor of Computer Science or a Bachelor of Science.

Course Program

The following is a suggested program

Subjects	Session	Credit Points
Year 1		
CSCI103 Algorithms and Problem Solving	Autumn/Spring	6
CSCI114 Procedural Programming	Autumn/Spring	6
CSCI124 Applied Programming	Autumn/Spring	6
MATH121 Discrete Mathematics	Autumn	6

Plus 24 credit points from 100-level subjects selected from the Science Schedule

Year 2

CSCI102 Systems	Spring	6
CSCI203 Algorithms and Data Structures	Autumn	6
CSCI204 Object Programming and Frameworks	Spring	6
STAT131* Understanding Variation and Uncertainty	Autumn/Spring	6

Plus at least 18 credit points from 100- and/or 200-level subjects selected from the Science Schedule.

Plus at least 18 credit points selected from the Computer Science, Science and/or General Schedules.

Year 3

CSCI212 Interacting Systems	Autumn	6
CSCI222 Systems Development	Spring	6

Plus at least 12 credit points of 300-level subjects selected from the Computer Science Schedule.

Plus at least 24 credit points from 200- and/or 300-level subjects selected from the Science Schedule.

Plus at least 12 credit points selected from the Computer Science, Science and/or General Schedules.

Year 4

CSCI321 Project	Annual	12
-----------------	--------	----

Plus at least 12 credit points of 300-level subjects selected from the Computer Science Schedule.

Plus at least 24 credit points from 200- and/or 300-level subjects selected from the Science Schedule.

The subjects from the Science schedule must include a major from the Faculty of Science.

If the Science major study is Physics, please refer to your coordinator for details of MATHS subject selection. All others please see the Faculty of Science for advice on subject selection. NB* If the Science major requires STAT252 this should be completed instead of STAT131.

Major Study Areas

Please refer to the separate entries for the Bachelor of Computer Science and the Bachelor of Science (in Faculties of Science and Engineering).

Honours

Candidates may apply within normal procedures to register for either, or consecutively, both the Bachelor of Computer Science (Honours), or the Bachelor of Science (Honours) after the satisfactory completion of the joint program.

Professional Recognition

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional level".

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Creative Arts - Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Creative Arts (major study) Bachelor of Computer Science (major study)
Abbreviation:	BCA-BCompSc
Home Faculty:	Creative Arts
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	844
UAC Code:	751503
CRICOS Code:	031166K

Overview

Please refer to the entries for the Bachelor of Creative Arts and the Bachelor of Computer Science.

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Creative Arts and the Bachelor of Computer Science.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

To qualify for the double degree of Bachelor of Creative Arts - Bachelor of Computer Science, a candidate must satisfactory complete at least 216 credit points from the Computer Science Schedule, the Creative Arts Schedule and the General Schedule.

The 216 credit points must include:

1. No more than 96 credit points at 100- level;
2. No more than 36 credit points (i.e. 1/6) of subjects at PC grade.

The 108 credit points for Creative Arts must include a major study for the Bachelor of Creative Arts comprising 108 credit points of compulsory subjects as listed in the Bachelor of Creative Arts course structure.

The 108 credit points for Computer Science must include:

1. The following core subjects:
 - a. CSCI102 Systems
 - b. CSCI103 Algorithms & Problem Solving
 - c. CSCI114 Procedural Programming
 - d. CSCI124 Applied Programming
 - e. MATH121 Discrete Mathematics
 - f. STAT131 Understanding Variation & Uncertainty
 - g. CSCI203 Algorithms and Data Structures
 - h. CSCI204 Object Programming and Frameworks
 - i. CSCI212 Interacting Systems
 - j. CSCI222 Systems Development
 - k. CSCI321 Project

Note: it is strongly recommended that STAT131 be taken in Year 2 of the degree.

2. An additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects.
3. At least 24 credit points of CSCI 300-level subjects, including CSCI321, must be at pass grade or better.
4. Elective subjects from the Computer Science Schedule, the Creative Arts Schedule or the General Schedule to the value of at least 12 credit points.

Course Program

The following program of study is recommended to satisfy the requirements in minimum time

Subjects	Session	Credit Points
Year 1		
CSCI103	Algorithms and Problem Solving	Autumn/Spring 6
CSCI114	Procedural Programming	Autumn/Spring 6
Plus up to 36 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.		
Year 2		
CSCI102	Systems	Spring 6
CSCI124	Applied Programming	Autumn/Spring 6
CSCI212	Interacting Systems	Autumn 6
CSCI222	Systems Development	Spring 6
MATH121	Discrete Mathematics	Autumn 6
STAT131	Understanding Variation and Uncertainty	Autumn/Spring 6
Plus up to 24 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.		
Year 3		
CSCI203	Algorithms and Data Structures	Autumn 6
CSCI204	Object Programming and Frameworks	Spring 6
Plus 12 credit points selected from the Computer Science Schedule, the Creative Arts Schedule or the General Schedule.		
Plus 12 credit points of 300-level subjects (Noting that CSCI336 Computer Graphics is required for the students enrolled in the Visual or Graphic Arts Studies programme in the Creative Arts degree.)		
Plus up to 24 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.		
Year 4		
CSCI321	Project	Annual 12
Plus 12 credit points of 300-level Computer Science subjects		
Plus 24 credit points of subjects from Creative Arts Schedule		

Major Study Areas

Please refer to the entries for the Bachelor of Creative Arts and the Bachelor of Computer Science

Honours

Subject to satisfactory performance, existing 48 credit point end-on honours courses will be available for either the Bachelor of Computer Science or the Bachelor of Creative Arts, or sequentially for both degrees. Please refer to the entries for each degree for further details.

Professional Recognition

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional level".

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Engineering – Bachelor of Arts

Arts	Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Arts (name of major)
	Engineering Majors Available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Commerce	Abbreviation:	BE-BA
	Home Faculty:	Informatics
	Duration:	5 years (10 full-time sessions) or part-time equivalent
	Total Credit Points:	274
Creative Arts	Delivery Mode:	Face-to-face
	Starting Session(s):	Autumn/Spring
	Location:	Wollongong
	UOW Course Code:	704E, 704F
	UAC Code:	751303
	CRICOS Code:	048492A

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering – Bachelor of Arts combines the aims of the Bachelor of Engineering with those of the Bachelor of Arts.

It offers the opportunity for professional engineering students, who have a flair for languages, history, philosophy, etc., to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Arts for information additional to that presented below.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students are required to satisfactorily complete one of the majors in Computer Engineering, Electrical Engineering or Telecommunications Engineering presented below.

Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

Generally, there is a minimum requirement of 72 credit points in subjects from the Arts Schedule for the Bachelor of Arts. In most cases, however, students should expect to be required to take up to 90 credit points from the Arts Schedule.

The choice of Arts subjects will be constrained by the requirements for a Bachelor of Arts degree as set out in the Bachelor of Arts entry in the Course Handbook and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Arts.

All Bachelor of Engineering - Bachelor of Arts students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the Bachelor of Engineering degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis. Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the Bachelor of Engineering - Bachelor of Arts that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the Bachelor of Engineering Course.

Professional Experience

All Bachelor of Engineering - Bachelor of Arts students must accumulate at least 12 weeks of approved professional engineering experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Arts entry for detail regarding the Bachelor of Arts (Honours).

Professional Recognition

The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Arts, students who have completed the recommended first year program of the Bachelor of Engineering (Computer or Electrical or Telecommunications Engineering Majors) and who have gained a weighted average mark of 67.5% or better may transfer to the Bachelor of Engineering - Bachelor of Arts.

Further information is available from www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Course Program

To qualify for the award of the degrees of Bachelor of Engineering and Bachelor of Arts, a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

- all subjects prescribed for the Bachelor of Engineering, (except one of the General Schedule Subjects) and having a minimum value of 180 credit points; and
- the requirements for the Bachelor of Arts.

To qualify for the award of the degree of Bachelor of Arts only, a candidate must satisfy requirements as specified in the Faculty of Arts entry for this course.

Recommended Full-Time Program

Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors

As a result of the Bachelor of Engineering course changes, students enrolling in Year 3 and beyond in 2007 will follow transition programs provided to them individually by the School.

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MATH187	Mathematics 1A Part 1	Autumn	6
	PHYS141	Fundamentals of Physics A	Autumn/Summer	6
	CSCI192	Engineering Programming 2	Spring	6
	ECTE172	Introduction to Circuits and Devices	Spring	6
	MATH188	Mathematics 1A Part 2	Spring	6
	PHYS142	Fundamentals of Physics B	Spring/Summer	6
Commerce	Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
	Year 2			
	ECTE202	Circuits and Systems	Annual	6
	ECTE233	Digital Hardware 1	Autumn	6
	ENGG291	Engineering Fundamentals	Autumn	6
	MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
Creative Arts	ECTE203	Signals and Systems	Spring	6
	ECTE222	Power Engineering 1	Spring	6
	Plus	Choice of 100/200-level Arts Subjects	Autumn/Spring	18
	Year 3			
	ECTE250	Engineering Design and Management 2	Annual	6
	ECTE344	Control Theory	Autumn	6
Education	ECTE212	Electronics	Spring	6
	ECTE363	Communication Systems	Spring	6
	Plus	Choice of 200/300-level Arts Subjects	Autumn/Spring	30
	Computer Engineering Major			
	Year 4			
	ECTE333	Digital Hardware 2	Annual	6
Engineering	ECTE350	Engineering Design and Management 3	Annual	6
	ECTE301	Digital Signal Processing	Autumn	6
	ECTE364	Data Communications	Autumn	6
	ECTE331	Embedded Java Systems	Spring	6
	Plus	200/300-level Arts Subjects	Autumn/Spring	32
	Year 5			
Health & Behavioural Sciences	ECTE457	Thesis	Annual	18
	Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
	Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
	Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR			
		200/300-level Arts Subject	Autumn/Spring	6
Informatics	Plus	300-level Arts Subject	Autumn/Spring	8
	Electrical Engineering Major			
	Year 4			
	ECTE333	Digital Hardware 2	Annual	6
	ECTE350	Engineering Design and Management 3	Annual	6
	ECTE301	Digital Signal Processing	Autumn	6
Law	ECTE364	Data Communications	Autumn	6
	ECTE323	Power Engineering 2	Spring	6
	Plus	200/300-level Arts Subjects	Autumn/Spring	32
	Year 5			
	ECTE457	Thesis	Annual	18
	Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
Science				

Plus	1 Final Year Specialisation Subjects	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	200/300-level Arts Subject	Autumn/Spring	6
Plus	300-level Arts Subject	Autumn/Spring	8

Telecommunications Engineering Major

Year 4

ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE365	Communication Systems Modelling	Spring	6
Plus	200/300-level Arts Subjects	Autumn/Spring	32

Year 5

ECTE457	Thesis	Annual	18
Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
Plus	1 Final Year Specialisation Subjects	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	200/300-level Arts Subject	Autumn/Spring	6
Plus	300-level Arts Subject	Autumn/Spring	8

Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program in the Bachelor of Engineering section.

Bachelor of Engineering – Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Commerce (name of major)
Engineering Majors Available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	BE-BCom
Home Faculty:	Informatics
Duration:	5 years (10 full-time sessions) or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	727F
UAC Code:	751602
CRICOS Code:	042625G

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering – Bachelor of Commerce combines the aims of the Bachelor of Engineering with those of the Bachelor of Commerce. It offers the opportunity for professional engineering students, who have a flair for business, finance, management, marketing, etc., to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in management.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Commerce for information additional to that presented below.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students are required to satisfactorily complete one of the majors in Computer Engineering, Electrical Engineering or Telecommunications Engineering presented below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

To assist students to complete their program, some Commerce subjects are available in Summer Session. Students should consult the timetable for details.

The choice of Commerce subjects will be constrained by the requirements for a Bachelor of Commerce degree as set out in the Bachelor of Commerce entry in the Course Handbook and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Commerce.

All Bachelor of Engineering – Bachelor of Commerce students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the Bachelor of Engineering degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis. Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the Bachelor of Engineering – Bachelor of Commerce that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the Bachelor of Engineering Course.

Professional Experience

All Bachelor of Engineering – Bachelor of Commerce students must accumulate at least 12 weeks of approved professional engineering experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Commerce entry for detail regarding the Bachelor of Commerce (Honours).

Professional Recognition

The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Commerce, students who have completed the recommended first year program of the Bachelor of Engineering (Computer or Electrical or Telecommunications Engineering Majors) and who have gained a weighted average mark of 67.5% or better may transfer to the Bachelor of Engineering - Bachelor of Commerce.

Further information is available from www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Course Program

To qualify for the degrees of Bachelor of Engineering and Bachelor of Commerce a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

- all subjects prescribed for the Bachelor of Engineering, (except ECTE250 Engineering Design and Management 2 and the General Schedule Subjects) and having a minimum value of 174 credit points; and
- the requirements for the Bachelor of Commerce.

To qualify for the award of the Bachelor of Commerce only, a candidate must satisfy requirements as specified in the Faculty of Commerce entry for this course.

Recommended Full-Time Program

Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors

As a result of the Bachelor of Engineering course changes, students enrolling in Year 3 and beyond in 2007 will follow transition programs provided to them individually by the School.

Subjects	Session	Credit Points
Year 1		
CSCI191 Engineering Programming 1	Autumn	6
ECTE171 Introduction to Electrical Engineering Systems	Autumn	6
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals of Physics A	Autumn/Summer	6
CSCI192 Engineering Programming 2	Spring	6
ECTE172 Introduction to Circuits and Devices	Spring	6
MATH188 Mathematics 1A Part 2	Spring	6
PHYS142 Fundamentals of Physics B	Spring/ Summer	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162		
Year 2		
ECTE202 Circuits and Systems	Annual	6
ECTE233 Digital Hardware 1	Autumn	6
ENGG291 Engineering Fundamentals	Autumn	6
MATH283 Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203 Signals and Systems	Spring	6
ECTE222 Power Engineering 1	Spring	6
Plus 100/200-level Commerce Subjects	Autumn/Spring	18
Year 3		
ECTE333 Digital Hardware 2	Annual	6
ECTE344 Control Theory	Autumn	6
ECTE212 Electronics	Spring	6
Plus 200/300-level Commerce Subjects	Autumn/Spring	30
Computer Engineering Major		
Year 4		
ECTE350 Engineering Design and Management 3	Annual	6
ECTE301 Digital Signal Processing	Autumn	6
ECTE364 Data Communications	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	ECTE331	Embedded Java Systems	Spring	6
	Plus	200/300-level Commerce Subjects	Autumn/Spring	30
	Year 5			
	ECTE457	Thesis	Annual	18
	Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
Commerce	Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
	Plus	300-level Commerce Subjects	Autumn/Spring	12
	Electrical Engineering Major			
	Year 4			
	ECTE350	Engineering Design and Management 3	Annual	6
Creative Arts	ECTE301	Digital Signal Processing	Autumn	6
	ECTE364	Data Communications	Autumn	6
	ECTE323	Power Engineering 2	Spring	6
	Plus	200/300-level Commerce Subjects	Autumn/Spring	30
	Year 5			
Education	ECTE457	Thesis	Annual	18
	Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
	Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
	Plus	300-level Commerce Subjects	Autumn/Spring	12
	Telecommunications Engineering Major			
Engineering	Year 4			
	ECTE350	Engineering Design and Management 3	Annual	6
	ECTE301	Digital Signal Processing	Autumn	6
	ECTE364	Data Communications	Autumn	6
	ECTE365	Communication Systems Modelling	Spring	6
Health & Behavioural Sciences	Plus	200/300-level Commerce Subjects	Autumn/Spring	30
	Year 5			
	ECTE457	Thesis	Annual	18
	Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
	Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
Informatics	Plus	300-level Commerce Subjects	Autumn/Spring	12
	Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program in the Bachelor of Engineering section.			
Law				
Science				

Bachelor of Engineering – Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Mathematics (name of major)
Engineering Majors Available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	BE-BMath
Home Faculty:	Informatics
Duration:	5 years (10 full-time sessions) or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	738
UAC Code:	751611
CRICOS Code:	BEng (Inf)-BMath: 002327E BEng(Eng)-BMath: 042626G

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering – Bachelor of Mathematics combines the aims of the Bachelor of Engineering with those of the Bachelor of Mathematics. It offers the opportunity for professional engineering students, who have a flair for mathematics or statistics, to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in research.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Mathematics for information additional to that presented below.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at: www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at: www.uow.edu.au/prospective/international/credit

Course Requirements

Students are required to satisfactorily complete one of the majors in Computer Engineering, Electrical Engineering or Telecommunications Engineering presented below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

The choice of Mathematics or Statistics subjects will be constrained by the requirements for a Bachelor of Mathematics degree as set out in the Bachelor of Mathematics entry in the Course Handbook and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Head of the School of Mathematics and Applied Statistics.

All Bachelor of Engineering – Bachelor of Mathematics students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the Bachelor of Engineering degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis. Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived. It is a requirement of the Bachelor of Engineering – Bachelor of Mathematics that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the Bachelor of Engineering Course.		
Commerce	Professional Experience All Bachelor of Engineering – Bachelor of Mathematics students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.		
Creative Arts	Honours The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of Honours awarded are defined in the Course Rules. Please refer to the Bachelor of Mathematics entry for detail regarding the Bachelor of Mathematics (Honours).		
Education	Professional Recognition The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board. The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.		
Engineering	Other Information With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Associate Dean (Academic) of the Faculty of Informatics, students who have completed the recommended first year program of the Bachelor of Engineering (Computer or Electrical or Telecommunications Engineering Majors) and who have gained a weighted average mark of 67.5% or better may transfer to the Bachelor of Engineering – Bachelor of Mathematics. Further information is available from www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.		
Health & Behavioural Sciences	Course Program To qualify for the degrees of Bachelor of Engineering and Bachelor of Mathematics a candidate must complete satisfactorily and independently each of (a) and (b) as follows: a) all subjects prescribed for the Bachelor of Engineering, (except MATH283 Mathematics 2E for Engineers Part 1 and having a minimum value of 186 credit points; b) Requirements 2, 3, 6, 8(a) and 9, for the Bachelor of Mathematics, including no more than 18 credit points at 100-level.		
Informatics	To qualify for the award of the degree of Bachelor of Mathematics only, a candidate must satisfy requirements as specified in the Faculty of Informatics entry for this course.		
Law	Recommended Full-Time Program Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors As a result of the Bachelor of Engineering course changes, students enrolling in Year 3 and beyond in 2007 will follow transition programs provided to them individually by the School.		
Science	Subjects	Session	Credit Points
	Year 1		
	CSCI191 Engineering Programming 1	Autumn	6
	ECTE171 Introduction to Electrical Engineering Systems	Autumn	6
	MATH187 Mathematics 1A Part 1	Autumn	6
	PHYS141 Fundamentals of Physics A	Autumn/Summer	6
	CSCI192 Engineering Programming 2	Spring	6
	ECTE172 Introduction to Circuits and Devices	Spring	6

MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/Summer	6
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
ECTE212	Electronics	Spring	6
ECTE363	Communication Systems	Spring	6
Plus	200/300- level Mathematics or Statistics Subjects	Autumn/Spring	24
Computer Engineering Major			
Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE331	Embedded Java Systems	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Mathematics or Statistics Subjects	Autumn/Spring	18
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
Plus	1 Final Year Specialisation Subjects	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Mathematics or Statistics Subject	Autumn/Spring	6
Electrical Engineering Major			
Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Plus	300-level Mathematics or Statistics Subjects	Autumn/Spring	18
	Year 5			
	ECTE457	Thesis	Annual	18
	Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
	Plus	1 Final Year Specialisation Subjects	Autumn/Spring	6
Commerce	Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
		OR		
		1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Creative Arts	Plus	300-level Mathematics or Statistics Subject	Autumn/Spring	6
	Telecommunications Engineering Major			
	Year 4			
	ECTE333	Digital Hardware 2	Annual	6
	ECTE350	Engineering Design and Management 3	Annual	6
Education	ECTE301	Digital Signal Processing	Autumn	6
	ECTE364	Data Communications	Autumn	6
	ECTE365	Communication Systems Modelling	Spring	6
	Plus	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
	Plus	300-level Mathematics or Statistics Subjects	Autumn/Spring	18
Engineering	Year 5			
	ECTE457	Thesis	Annual	18
	Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
	Plus	1 Final Year Specialisation Subjects	Autumn/Spring	6
	Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Health & Behavioural Sciences		OR		
		1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
	Plus	300-level Mathematics or Statistics Subject	Autumn/Spring	6
Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program in the Bachelor of Engineering section.				
Bachelor of Engineering – Bachelor of Science				
Informatics	Testamur Title of Degree:	Bachelor of Engineering (name of major)		
		Bachelor of Science (name of major)		
Law	Engineering Majors Available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering		
	Abbreviation:	BE-BSc		
	Home Faculty:	Informatics		
	Duration:	5 years (10 full-time sessions) or part-time equivalent		
	Total Credit Points:	264		
	Delivery Mode:	Face-to-face		
	Starting Session(s):	Autumn/Spring		
Science	Location:	Wollongong		
	UOW Course Code:	739		
	UAC Code:	751621		
	CRICOS Code:	028398J		

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering – Bachelor of Science combines the aims of the Bachelor of Engineering with those of the Bachelor of Science. It offers the opportunity for professional engineering students, who have a flair for the sciences, for example, physics, to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in research.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Science (in the Faculties of Science and Engineering) for information additional to that presented below.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics and two other units of Science.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students are required to satisfactorily complete one of the majors in Computer Engineering, Electrical Engineering or Telecommunications Engineering presented below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

The choice of Science subjects will be constrained by the requirements for a Bachelor of Science degree as set out in the Bachelor of Science entry in the Course Handbook and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Head of the School of Engineering Physics or the Sub-Dean, Faculty of Science.

All Bachelor of Engineering – Bachelor of Science students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the Bachelor of Engineering degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis. Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the Bachelor of Engineering – Bachelor of Science that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the Bachelor of Engineering Course.

Professional Experience

All Bachelor of Engineering – Bachelor of Science students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Science entry for detail regarding the Bachelor of Science (Honours).

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Professional Recognition

The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Science, students who have completed the recommended first year program of the Bachelor of Engineering (Computer or Electrical or Telecommunications Engineering Majors) and who have gained a weighted average mark of 67.5% or better may transfer to the Bachelor of Engineering - Bachelor of Science.

Further information is available from www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Course Program

To qualify for the degrees of Bachelor of Engineering and Bachelor of Science a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

- all subjects prescribed for the Bachelor of Engineering, (replacing MATH283 Mathematics 2E for Engineers Part 1 with MATH201 Multivariate and Vector Calculus and MATH202 Differential Equations 2) and having a value of 198 credit points;
- Subjects selected from the Science/Physics Schedule having a value of at least 60 credit points of study, of which no more than 18 credit points shall be for 100-level subjects.

To qualify for the award of the degree of Bachelor of Science only, a candidate must satisfy requirements as specified in the Faculty of Science entry for this course.

Recommended Full-Time Program

Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors

As a result of the Bachelor of Engineering course changes, students enrolling in Year 3 and beyond in 2007 will follow transition programs provided to them individually by the School.

Subjects	Session	Credit Points
Year 1		
CSCI191 Engineering Programming 1	Autumn	6
ECTE171 Introduction to Electrical Engineering Systems	Autumn	6
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals of Physics A	Autumn/Summer	6
CSCI192 Engineering Programming 2	Spring	6
ECTE172 Introduction to Circuits and Devices	Spring	6
MATH188 Mathematics 1A Part 2	Spring	6
PHYS142 Fundamentals of Physics B	Spring/Summer	6
Year 2		
ECTE202 Circuits and Systems	Annual	6
ECTE233 Digital Hardware 1	Autumn	6
ENGG291 Engineering Fundamentals	Autumn	6
MATH201 Multivariate and Vector Calculus	Autumn	6
ECTE203 Signals and Systems	Spring	6
ECTE222 Power Engineering 1	Spring	6
MATH202 Differential Equations 2	Spring	6
Plus Choice of 100/200-level Science Subjects	Autumn/Spring	12
Year 3		
ECTE250 Engineering Design and Management 2	Annual	6
ECTE344 Control Theory	Autumn	6
STAT231 Probability and Random Variables	Autumn	6
ECTE212 Electronics	Spring	6

ECTE363	Communication Systems	Spring	6
Plus	200/300-level Science Subjects	Autumn/Spring	24
Computer Engineering Major			
Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE331	Embedded Java Systems	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subjects	Autumn/Spring	24
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subject	Autumn/Spring	6
Electrical Engineering Major			
Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subjects	Autumn/Spring	24
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subject	Autumn/Spring	6
Telecommunications Engineering Major			
Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	ECTE365	Communication Systems Modelling	Spring	6
	Plus	1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
	Plus	300-level Science Subjects	Autumn/Spring	24
	Year 5			
Commerce	ECTE457	Thesis	Annual	18
	Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
	Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
	Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Creative Arts		OR		
		1 General Schedule Subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
	Plus	300-level Science Subject	Autumn/Spring	6
	Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program in the Bachelor of Engineering section.			

Bachelor of Mathematics - Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Mathematics (name of major)
	Bachelor of Computer Science (name of major)
Abbreviation:	BMath-BCompSc
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	769
UAC Code:	751701
CRICOS Code:	016108A

Overview

Please refer to the entries for the Bachelor of Mathematics and the Bachelor of Computer Science.

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Mathematics and the Bachelor of Computer Science.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

To qualify for the double degree of Bachelor of Mathematics – Bachelor of Computer Science, a candidate must satisfactorily complete at least 216 credit points from the Computer Science Schedule, the Mathematics Schedule and the General Schedule, and, in so doing, satisfy the requirements for the Bachelor of Mathematics and the Bachelor of Computer Science respectively, as specified in the Course Handbook.

Minimum Performance Requirement

Candidates must maintain a weighted average mark (WAM) of at least 65 at the end of each year, otherwise they must show cause as to why they should be permitted to remain registered for the two courses.

Candidates who, at the end of any year of registration, have satisfied the minimum rate of progress requirements under General Course Rules, but who do not have a WAM of at least 65 and who have not given adequate reason as to why they should be permitted to continue with registration for the joint course, will be required to transfer into either a Bachelor of Mathematics or a Bachelor of Computer Science.

Course Program

The following program of study is recommended to satisfy the requirements in minimum time.

Subjects	Session	Credit Points
Year 1		
CSCI103	Algorithms and Problem Solving	Autumn 6
CSCI114	Procedural Programming	Autumn 6
CSCI124	Applied Programming	Spring 6
MATH187	Mathematics 1A Part 1	Autumn 6
MATH188	Mathematics 1A Part 2	Spring 6
MATH111	Applied Mathematical Modelling 1	Spring 6
MATH121	Discrete Mathematics	Autumn 6
STAT131	Understanding Variations and Uncertainty	Spring 6
Year 2		
CSCI102	Systems	Spring 6
CSCI203	Algorithms and Data Structures	Autumn 6
CSCI204	Object Programming and Frameworks	Spring 6
CSCI212	Interacting Systems	Autumn 6
IACT201#	Information Technology and Citizens' Rights	Autumn 6
MATH201	Multivariate and Vector Calculus	Autumn 6
MATH202	Differential Equations 2	Spring 6
Plus any two of		
MATH212	Applied Mathematical Modelling 2	Spring 6
MATH222	Continuous and Finite Mathematics	Autumn 6
STAT231	Probability and Random Variables	Autumn 6
STAT232	Estimation and Hypothesis Testing	Spring 6
Plus any 6 credit point 200-level CSCI subject		6
# May be taken in Year 3, in lieu of 6 credit points of 200- or 300-level subjects, and replaced in year 2 by 6 credit points of 100- or 200-level subjects.		
Year 3		
MATH203	Linear Algebra	Autumn 6
MATH204	Complex Variables and Group Theory	Spring 6
CSCI222	Systems Development	Spring 6
Plus any 12 credit points of 300-level Mathematics subjects,		
Plus any 6 credit points 200-level Computer Science subjects,		
Plus any 12 credit points 300-level Computer Science subjects,		
Plus any 12 credit point of 200- or 300-level General Schedule subjects.		
Year 4		
CSCI321	Project	Annual 12
Plus 24 credit points of 300-level Mathematics subjects.		
Plus 12 credit points of 300- level Computer Science subjects.		

Major Study Areas

Please refer to the entries for the Bachelor of Mathematics and the Bachelor of Computer Science.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Honours

Candidates may apply to register for either, or consecutively, both the Bachelor of Mathematics (Honours) or the Bachelor of Computer Science (Honours) after the satisfactory completion of the double degree program.

Professional Recognition

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a “Professional level”.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

SUBJECT DESCRIPTIONS

BIST400 Internet Science & Technology IV Honours

Annual Wollongong On Campus

Credit Points: 48

Pre-requisites: Candidates who achieve a credit average or better in the Bachelor of Internet Science & Technology are eligible to enrol in an additional year of study towards a Bachelor of Internet Science and Technology (Honours).

Co-requisites: None

Subject Description: This Honours subject offers students the opportunity to study at an advanced level in areas of Internet Science and Technology. This subject will take advantage of specific knowledge and expertise within the Faculty. Students will acquire skills in communication and research methodology, as well as developing expertise in their chosen field of specialisation.

CSCI102 Systems

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: IACT101

Subject Description: CSCI102 establishes the position of Computer Science and Information Technology in a non-programming context. Areas introduced include Human-Computer Interface, Information Modelling, Intelligent Systems, Networks, Operating Systems, Software Design and Development and Professional ethics, rights and responsibilities.

CSCI103 Algorithms and Problem Solving

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: CSCI103 introduces the basic concepts of algorithms and their relationship to data structures and problem solving. This subject emphasises problem solving techniques leading to the development of algorithms rather than their implementation or a formal mathematical treatment of algorithms. Topics include sorting, searching and counting problems and the principal algorithms used in their solution. Common approaches to algorithm development and analysis will be examined.

CSCI114 Procedural Programming

Autumn Wollongong On Campus

Spring Wollongong On Campus

Spring Loftus On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with BUSS111 or CSCI111

Subject Description: CSCI114 introduces the procedural approach to program design and implementation. Covers basic language constructs for defining variables of built-in types, flow control constructs and simple I/O. Explores functional decomposition as a design technique, and the implementation of functions. Introduces simple user-defined data types and aggregates.

CSCI124 Applied Programming

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI111 & CSCI103 or (CSCI114 and CSCI103)

Co-requisites: None

Exclusions: Not to count with CSCI121

Subject Description: This subject develops a thorough understanding of program design using data structures. It extends CSCI114 and presents pointers, dynamic memory management and exception handling. Other topics include implementation of Sorting and Searching Algorithms including the use of typedefs, void pointers and indexes to generalise algorithms; Implementation of data structures: queues, stacks, linked lists, dequeues, trees; Use of arrays as an implementation structure – hashing, radix sort, heaps and Heapsort; Random Access files and internal I/O; Testing of programs: black and white box testing, and the use of debuggers; Use of multi-file organisation in encapsulation and data hiding, with make files; These concepts will be treated through formal lectures, tutorials, assignments and laboratory sessions employing an object oriented language.

CSCI191 Engineering Programming 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with CSCI114, CSCI111 or BUSS111

Subject Description: The primary topic areas in this course include, but are not limited to, computer representation of various data types, the computer instruction set, basic C syntax, logic operators, flow control, functions, arrays, pointers, simple IO, scope of variables, basic microprocessor instruction cycle, relationships between assembly language and C, compilation, linkage and loading of programs. Students will learn structured programming such that problems can be translated from word definition to an intermediate stage and then implementation in C.

CSCI192 Engineering Programming 2

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI191

Co-requisites: None

Exclusions: Not to count with CSCI124 or CSCI121

Subject Description: The primary topic areas in this course include, but are not limited to; use of pointers in C, dynamic memory management, multi-file programs and make, testing and verification of software, problem solving strategies, the role of algorithms in the problem solving process, implementation of algorithms and the properties of algorithms. Basics of C++, classes, function overloading.

CSCI203 Algorithms and Data Structures

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI121 or CSCI124

Co-requisites: None

Subject Description: Approaches to analysing algorithm complexity, introduced in first year subjects, will be reviewed. The use of abstract data types

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	as a design technique, and their implementation in solutions to problems, will form a large part of the subject. The concept of efficient code and ways to measure efficiency (both empirically, by timings, and theoretically) will be studied.
Commerce	CSCI204 Object Programming and Frameworks Spring Wollongong On Campus Credit Points: 6 Pre-requisites: CSCI121 or CSCI124 or CSCI192 Co-requisites: None Subject Description: CSCI204 develops a thorough understanding of the object-based approach and introduces topics including encapsulation, data hiding, inheritance, polymorphism and runtime binding. Templates are introduced as method of achieving generalisation. Container classes and the Standard Template Library are introduced as tools of generic programming. Graphical User Interface Design Concepts are discussed, including a framework as an example of OO design and implementation.
Creative Arts	
Education	CSCI205 Development Methods & Tools Spring Wollongong On Campus Credit Points: 6 Pre-requisites: CSCI121 or CSCI124 or CSCI192 Co-requisites: None Subject Description: This subject provides an introduction to the process of design and analysis of software. Students will receive a formal introduction to the design process and techniques, followed by the opportunity to use modern design techniques to address real-world problems. A range of modern techniques and tools will be covered, in particular UML.
Engineering	
Health & Behavioural Sciences	CSCI212 Interacting Systems Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: CSCI124 And CSCI102 OR CSCI121 And CSCI102 Co-requisites: None Subject Description: The subject develops an understanding of the operating system and tools from a programmer's viewpoint. Topics covered include the file system, processes, communication and tools. In particular, access, security, organisation, operating system effect on performance of a program, support, control; process and interaction, inter-process communication; use of shell scripts and commands to enhance problem solving; tools for development process; program paradigms: parallel, distributed, etc.
Informatics	
Law	CSCI213 Java Programming & Object Oriented Design Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: CSCI121 or CSCI124 or CSCI192 Co-requisites: None Exclusions: ITCS213 Subject Description: This subject provides: 1. an introduction to the Java language and some of its standard class libraries 2. experience with object oriented design and implementation techniques 3. the use of UML to document OO applications Topics will include: Java
Science	

language, subset of Java class libraries (windowing, graphics, networking, threads), object oriented design and implementation, and introduction to security issues.

CSCI214 Distributed Systems

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI121 or CSCI124

Co-requisites: None

Subject Description: CSCI214 introduces basic concepts of internetworking and distributed systems. Physical communications media are introduced, then the focus shifts to network protocols (TCP/IP), then client-server model and the sockets interface. Other topics to be covered include network addressing and security (firewalls). Real-world programming examples from Unix and Windows-NT environments will be presented. Students will undertake laboratory exercises on Linux-based PCs.

CSCI222 Systems Development

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI102 and (CSCI124 or CSCI121) or CSCI192

Co-requisites: None

Subject Description: This subject provides an introduction to the practical aspects of developing and managing a software project. Students will be gain practical experience with tasks including: Project Management; Requirements Analysis; Software Design; Source Control and Software Testing. The subject will also include review of object-oriented design and implementation, design patterns and provide an overview of technologies for re-use. CSCI222 provides a framework for understanding and developing the necessary skills to successfully undertake the major third year software project. The emphasis of this subject is on the design and development process and its application to real world problems.

CSCI231 Operating Systems

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI121 or CSCI124 or CSCI192

Co-requisites: None

Subject Description: This subject develops a thorough understanding of the principles and concepts of modern computer operating systems. Topics covered will broadly include, process management, resource allocation, OS kernel, memory management, concurrency and file systems. Specifically the subject will include discussions on, process concept, synchronisation, concurrency control, threads, inter-process communication, deadlock prevention, avoidance and detection, micro and monolithic kernels, multi-tasking, interrupt handling, system and user processes. System calls, problems of allocation, protection and sharing, memory mapping schemes, CPU scheduling algorithms, real-time scheduling, naming and directory schemes, disc space allocation, file protection and access control and operating system security.

CSCI235 Databases

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI121 or CSCI124

Co-requisites: None

Subject Description: This subject investigates three major areas of modern database systems: 1. design of relational databases 2. programming of relational databases 3. concurrency control and data recovery in database systems Topics will include: Introduction to conceptual database modelling; Principles of relational database model; Structured Query Language (SQL) and its procedural extensions (PL/SQL, Embedded SQL, JDBC); Database server programming; Normalisation of relational databases; and Transaction management and recovery in database systems

CSCI236 3D Modelling and Animation

Spring2007/Summer2007 Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points of 200 level CSCI or IACT subjects

Co-requisites: None

Exclusions: CSCI463

Subject Description: This subject provides students with a hands-on introduction to the use of computers for developing models of three-dimensional objects and viewing them in 3D as still images and animations. Topics covered include basic modelling primitives, from polygons to spline surfaces; tools to modify simple objects; surfacing concepts such as textures and bump maps; basic lighting of scenes; the animation process including key frames, articulated structures, camera movement and morphing; lighting effects such as volumetrics and radiosity. The subject uses the industry standard software package LightWave.

CSCI240 Multimedia Programming Foundations

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI124 or CSCI121

Co-requisites: None

Subject Description: This subject provides an introduction to multimedia programming by exploring multimedia infrastructure and developing skills in the programming technologies used in multimedia. Infrastructure includes both how the elements of a multimedia system relate, for example MPEG 21, and foundational concepts used in producing multimedia, for example matrix transforms, simulations, kinematics and the dynamics of motion. Programming technologies include OO programming, 2D graphics, simple image and audio processing in Java; web presentation technologies such as SMILE; multimedia messaging; and an overview of multimedia applications programming interfaces, such as Java media framework and QuickTime.

CSCI262 System Security

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI121 or CSCI124

Co-requisites: None

Subject Description: The subject covers some fundamental computer security technologies in the following aspects: (1) Operating system security such as physical security, file protections, system abuses, attacks and protections; (2) Database security including data integrity, data recover, data encryption/ decryption, access control, and authentication; (3) Mobile code security including

malicious logic, host and mobile code protection, mobile agents' security. (4) Intrusion detection; (5) Security policies; (6) Security management and risk analysis.

CSCI311 Software Process Management

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI222 or CSCI205

Co-requisites: None

Subject Description: The primary aim of this subject is to acquaint students with the formal methodologies associated with the task of managing the software development process. Topics may include: Project Planning, Cost Estimation, Project Scheduling, Factors Influencing Productivity, Productivity Metrics, Risk Assessment and Management, Planning for Change, Release and Configuration Management, Software Process Standards, Software Contracts, Approaches to Maintenance, Long-Term Software Development, Case Studies of Real World Projects, Ethics, Professional Organisations, Legal Implications and Liabilities

CSCI313 Professional Programming Practices

Not on offer in 2007

Credit Points: 6

Pre-requisites: CSCI204

Co-requisites: None

Subject Description: The aims of this subject are to assist students in refining their programming skills and to develop awareness of issues important to professional programmers. The focus will be predominantly on programming in C++. Topics will include more advanced language features, tools, and libraries.

CSCI315 Database Design and Implementation

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI235

Co-requisites: None

Subject Description: This subject investigates the process of relational database design starting from conceptual database design, through logical database design up to and including physical database design, database tuning and administration. The topics will include conceptual database design based on Object Modelling Technique, methodologies for conceptual design, view integration, logical database design, database normalization and de-normalization, physical database design, generation of database applications, database tuning, design of distributed database systems.

CSCI317 Database Performance Tuning

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI235

Co-requisites: None

Subject Description: The subject addresses the performance problems of relational database systems. In particular, it presents optimisation of query processing in relational database systems, performance tuning of database applications, transaction processing in database systems, optimisation of transaction processing, performance tuning of relational database servers, performance tuning of three tier database applications. Laboratory classes

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	demonstrate the techniques used for elimination of performance problems in database systems. Oracle 9i database management system is used for demonstration purposes and all practical work in the subject.	
Commerce	CSCI318 Software Engineering Practices & Principles Spring Wollongong On Campus Credit Points: 6 Pre-requisites: ECTE250+ (CSCI191 or CSCI192) or CSCI205 (from 2007 onwards) Co-requisites: None Exclusions: MCS9318, CSCI425, CSCI925 Subject Description: This subject examines the current state of software engineering both as an academic discipline and as a profession. The subject focuses on issues of requirements engineering, system procurement, and professional practice, and through case studies, the subject considers reasons for the failure and success of various software engineering projects. Topics which may be covered include: Requirements Elicitation, Functional and Non-Functional Requirements, Design Patterns and Refactoring, Reverse Engineering, Software Quality Assurance, Analysis and Verification of Specification and Design, Examples of Formal Techniques in Software Engineering.	Pre-requisites: CSCI204 and 6cp of 200-level CSCI subjects Co-requisites: None Subject Description: CSCI323 reviews the main components of Artificial Intelligence research including knowledge representation, reasoning, natural language understanding, and perception. Focuses on Expert Systems and the computational models they embody. Introduces the programming languages Lisp and Prolog.
Creative Arts		
Education	CSCI321 Project Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 12 Pre-requisites: (CSCI222+ CSCI204) or (CSCI213+ CSCI222) or (CSCI213 +CSCI204) AND 12cp of 200 level subjects Co-requisites: None Subject Description: Working in groups, students design, implement, and document a software system. Involves: project planning and scheduling, seminars and individual presentations, group coordination, research of proposed application domain, use of design methodologies, design documentation, coding, module and system integration, testing, verification, and implementation. A small number of project topics have been proposed. Students will form teams, each of which will design, implement and document a solution to one of the proposed projects. Teams will meet weekly with supervisors to discuss progress and problems.	CSCI324 Human Computer Interface Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: CSCI204 and 6cp 200 level CSCI subjects Co-requisites: None Exclusions: not to count with IACT403, IACT931 Subject Description: This subject examines the design evaluation and implementation of interactive computing systems for human use (HCI) and the major phenomena surrounding them. Also considered are joint performance of tasks by humans and machines, structure of human machine communication, social and organisational interactions with machine design, human capabilities to use machines including their learnability as well as algorithms and programming of the interface itself, engineering concerns that arise in designing interfaces, the process of specification design and implementation of interfaces and design tradeoffs.
Engineering		CSCI325 Software Engineering Formal Methods <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: CSCI204 Co-requisites: CSCI311 Subject Description: This subject introduces students to formal methods for software specification. The role of formal methods in the software development process is explained, and it is illustrated with case studies of the industrial application of formal methods. The subject uses the Z notation as an example of a formal specification technique, and software tools for the manipulation of Z specifications are introduced. Case studies in the application of formal methods to safety-critical and real-time software systems are presented.
Health & Behavioural Sciences		
Informatics	CSCI322 Systems Administration Spring Wollongong On Campus Credit Points: 6 Pre-requisites: CSCI204 and 6 cp of 200-level CSCI subjects Co-requisites: None Subject Description: This subject will cover the practical and theoretical aspects of system administration. The various resource areas which have to be managed will be discussed and examined, and the possible methods of monitoring and controlling them in various systems will be investigated. The features unique to both single processor and networked systems will be investigated.	CSCI333 Compilers <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: CSCI337 Co-requisites: None Subject Description: CSCI333 introduces the theories and practices of compiler and interpreter construction. Covers: lexical analysis, parsing, code generation, optimisation, symbol tables, and error detection.
Law		
Science	CSCI323 Artificial Intelligence Spring Wollongong On Campus Credit Points: 6	CSCI334 Interfacing and Real Time Programming <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: CSCI121 or CSCI124 Co-requisites: None Subject Description: The emphasis of this subject is on low-level interfacing of computer peripherals in high-level languages. Students will be required to complete a number

Arts	<p>Subject Description: Topics selected from the areas of interest of staff members or visiting faculty. Consult the head of school for details.</p> <hr/> <p>CSCI373 Special Topics in Computing Science D</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Exclusions: CSCI425</p> <p>Subject Description: Topics selected from the areas of interest of staff members or visiting faculty. In 2006, this subject examines the current state of software engineering both as an academic discipline and as a profession. The subject focuses on issues of requirements engineering, system procurement, and professional practice, and through case studies, the subject considers reasons for the failure and success of various software engineering projects.</p> <hr/> <p>CSCI399 Server Technology</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: (CSCI212 & CSCI213) or (ITCS213 and 6cp of 200-level subjects) or (CSCI213 and 6cp of 200-level)</p> <p>Co-requisites: None</p> <p>Subject Description: This subject provides a broad overview of the computing technologies that underlie e-commerce. Technical topics will include: protocols, web server configuration (Apache), introduction to domain name services (DNS), the Perl language, PHP scripting, and the Java technologies: servlets, Java Server Pages, Java/XML technologies, and a limited introduction to Enterprise Java Beans and .NET. Additional topics may include web services, peer to peer computing models, and other emerging technologies.</p> <hr/> <p>CSCI400 Computer Science Honours Project</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 18</p> <p>Pre-requisites: a grade of 75% or better in IACT441</p> <p>Co-requisites: None</p> <p>Exclusions: CSCI401</p> <p>Subject Description: It is a research project conducted under the supervision of academic staff in the school. It provides an opportunity for the student to engage in research training in general and to specialise in an area of mutual interest to them and their supervisor.</p> <hr/> <p>CSCI405 Computer Science Joint Honours</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 24</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: The thesis is usually integrated with the other academic unit. The subject comprises one half of CSCI401. A topic for the thesis will be determined in consultation with the other academic unit. See the Computer Science co-ordinator for advice.</p> <hr/> <p>CSCI407 Corba and Enterprise Java</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: 24 cp @ 300 level</p>
Commerce	<p>Co-requisites: None</p> <p>Exclusions: CSCI907</p> <p>Subject Description: This subject introduces students to the 'enterprise level' computing environments - Corba, and Enterprise Java Beans. It will also provide a more limited overview of general 'web services' and related technologies. The emphasis is practical with students developing Corba applications with Java clients and C++ servers, and later creating and deploying complete EJB systems.</p> <hr/> <p>CSCI410 Formal Methods in Software Engineering</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: 18cp @ CSCI 300 level</p> <p>Co-requisites: None</p> <p>Exclusions: CSCI325</p> <p>Subject Description: This subject introduces students to formal methods for software specification. The role of formal methods in the software development process is explained and investigated. The subject uses the Z notation as an example of a formal specification technique and introduces software tools for the creation and manipulation of Z specifications. Case studies of safety-critical and real-time systems are used as a basis for a study of the application of formal specification techniques. Topics will include: Introduction to formal approaches to design and specification, Review of mathematical foundation for formal methods, use of assertions and proof, analysis and verification of specification and design, disciplined approaches to design change, Z notation and its related software tools.</p> <hr/> <p>CSCI411 Computing Science Honours Seminar</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 12</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <hr/> <p>CSCI412 Computing Science Honours Seminar Part I</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <hr/> <p>CSCI413 Computing Science Honours Seminar Part II</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <hr/> <p>CSCI444 Perception and Planning</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: 24cp @300 level</p> <p>Co-requisites: None</p> <p>Subject Description: This subject explores ways in which a robot can combine data from a variety of sensors to create or update a model of its environment, and then use this model to infer the consequences of proposed actions. The subject</p>
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

will cover the use of internal sensors, such as those measuring odometry and location, and external sensors including those for touch, vision, and range finding.

CSCI445 Parallel Computing

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24cp @300 level

Co-requisites: None

Subject Description: This subject presents different approaches to the construction of parallel algorithms and computer architectures. Both theoretical and practical aspects are covered, emphasis is placed on identifying the suitability of the approaches for specific applications.

CSCI446 Multimedia Studies

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @300 level
or CSCI213 & INFO202

Co-requisites: None

Subject Description: This subject studies the creation and programming of digital media for multimedia applications. Multimedia systems combine images, graphics, sound and text to interactively communicate information. Each of these media has its own standards, algorithms and file formats. The foundations strand examines the principles of how media is created. The programming strand explores the programming of multimedia applications, using a multimedia applications such as QuickTime for Java. The practical strand explores the acquisition, encoding and editing of digital video and audio with professional tools, such as Final Cut Pro.

CSCI450 Software Requirements and Specifications

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: Software development can be viewed as an activity in which useful things are built to serve recognisable purposes. For software developers, these 'useful things' are a special kind of machine known as software systems, and the 'purpose' of these machines is to help solve problems in some application domain. This subject emphasises the importance of understanding the application domains that software systems interact with and the problems we try to solve in these domains. The subject focuses on writing explicit and precise descriptions known as: 1. Requirements - descriptions of application domains and the problems to be solved there; 2. Specifications - descriptions of the interface between the machine and the application domain. The subject addresses techniques used to record, elicit, and reason about these descriptions. The subject examines the approach to Requirements and Specification techniques taken by a range of systems engineering methodologies. The concepts of method engineering are introduced and the role of software tools to support this activity is discussed.

CSCI457 Advanced Topics in Database Management Systems

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24cp @300 level

Co-requisites: None

Subject Description: This subject covers two advanced topics from modern database management systems: object-oriented databases and transaction management in database systems. The topics include the details such as design and implementation of object-oriented database systems, hybrid transaction management, optimistic transaction management, nested transactions, management of long transactions, and management of transaction in distributed systems.

CSCI463 Advanced Computer Graphics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Exclusions: Not to count with CSCI236

Subject Description: In this subject students will learn how to use graphics techniques such as ray tracing and radiosity to produce highly realistic images with features such as shadows, reflection, refraction, texturing, penumbras and motion blur. The rendering algorithms and their underlying mathematics are covered with a practical component being the implementation of a ray tracer. Applications including scientific visualisation are also covered.

CSCI464 Neural Computing

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 cp @ 300 level

Co-requisites: None

Subject Description: This subject introduces students to the basics of 'soft' computing. Primary focus will be on artificial neural networks, with some attention also given to genetic algorithms, (evolutionary computing), fuzzy logic and neurofuzzy expert systems. These approaches will be compared and contrasted with heuristic, rules-based artificial intelligence methods, such as decision trees and case-based reasoning. Several application areas will be discussed, primarily pattern recognition and/or classification.

CSCI465 Design and Analysis of Algorithms

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: The objective of this subject is to develop the knowledge, skills and techniques for designing and analysing algorithms. Topics to be studied include: review of standard algorithm designs including divide and conquer, the greedy method, etc; complexity analysis and comparison of algorithms, number theoretical algorithms.

CSCI466 Coding for Secure Communication

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: This subject provides a fundamental understanding of information protection and efficient coding strategies that can be used to ensure correctness, security and authenticity of data. It uses entropy as the universal measure of information to analyse and explore fundamental bounds on the performance of

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	secure and reliable storage and communication systems, and examine a range of coding schemes that form the main building blocks of such systems. It will include the following topics. i) redundancy in data and compression algorithms ii) efficient error control strategies for secure and reliable communication and storage systems; iii) coding methods for secrecy and authenticity.	
Commerce	CSCI467 Complexity Theory <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: CSCI361 Co-requisites: CSCI471 Subject Description: The subject introduces basic concepts of complexity theory. Topics include NP-completeness and NP-hardness, Cook's theorem and its implications concepts of indistinguishability and pseudorandomness, interactive proof systems and zero-knowledge protocols.	ECTE181 WWW Engineering Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: ECTE191 Subject Description: The aim of this subject is to provide students with a practical introduction to the World Wide Web and to a variety of tools useful in engineering the WWW. Topics covered will include: embedded servers; relevant standards; multimedia content and formats in use on the WWW, for example, MPEG, JPEG and ZIP compression formats; practical applications of compression; and modular level engineering of Java programs.
Creative Arts	CSCI471 Advanced Computer Security Spring Wollongong On Campus Credit Points: 6 Pre-requisites: 24cp @300 level Co-requisites: None Subject Description: This subject provides a review of computer security. Topics include: digital signatures, elliptic curve cryptography, El Gamal public key methods, the Advanced Encryption Standard (AES), Security Standards, Security Evaluation Standards, Linear Cryptanalysis, Differential Cryptanalysis.	ECTE182 Internet Technology 1 Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: ELEC196, ECTE196 Subject Description: This subject introduces students to the fundamentals of computer communications. These fundamentals are then used to outline the Internet Architecture, and describe its key components. Following this, the operation of the World Wide Web (WWW) will be detailed. Topics covered include packet switching, switched networks, layered protocols, Local and Wide Area networks, WWW operation, network components (e.g., routers), access technologies (e.g., modems). Laboratory exercises will illustrate key computer communications concepts.
Education		
Engineering	ECTE171 Introduction to Electrical Engineering Systems Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: ECTE101 Subject Description: ECTE171 aims to provide students with a general introduction to electrical, computer and telecommunications engineering. It will provide an introductory overview of engineering systems and signals; telecommunications engineering including the basics of a communications system, data communications and networks; computer engineering including the basics of computer systems, and digital circuits; electrical engineering including the basics of electrical energy systems. The subject will also provide an introduction to engineering management and practice. The practical component will involve introductory experiments within electrical, computer and telecommunications engineering. The seminar component will involve written and verbal presentations on topics within electrical, computer and telecommunications engineering.	ECTE202 Circuits and Systems Annual Wollongong On Campus Credit Points: 6 Pre-requisites: (ECTE101 or ECTE172) and (MATH142 or MATH162 or MATH188) Co-requisites: MATH201 or MATH283 Exclusions: ELEC201, ELEC202 Subject Description: Topics covered will include: dependent sources; circuit analysis techniques; simple operational amplifiers circuit analysis; feedback; generalised and complex impedance; energy storage elements L, C; natural, forced and complete response of first and second order circuits; phasors; frequency response, Bode plots; Laplace Transform and Fourier series; and magnetically coupled circuits.
Health & Behavioural Sciences		
Informatics		
Law	ECTE172 Introduction to Circuits and Devices Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: MATH142, MATH161 or MATH188 Exclusions: ECTE101 Subject Description: ECTE172 aims to provide students with an understanding of the behaviour of basic electrical devices and circuits as used in electrical, computer and	ECTE203 Signals and Systems Spring Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: MATH283 or MATH201 Subject Description: The aim of this subject is to provide students with an introduction to Electrical Signals, Systems and Signal Processing. Topics covered include: Mathematical representation of Signals, Description and Analysis of Systems, Fourier series
Science		

analysis, Fourier Transform Analysis of Signals and Systems, Sampling and the Discrete Fourier Transform, The Laplace Transform, Laplace Transform Analysis of Signals and Systems, The z-Transform, z-Transform Analysis of Signals and Systems. The laboratory component will involve practical investigation of the concepts introduced in lectures using Matlab.

ECTE212 Electronics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECTE101 or ECTE172

Co-requisites: ELEC202 or ECTE202

Exclusions: ELEC211, ELEC212

Subject Description: The aims of this subject are: to provide students with an opportunity to develop an understanding of electronic circuit design using operational amplifiers as the building blocks and with an ability to analyse circuits using conventional methods. Topics covered will include: the use of operational amplifiers in circuits, e.g., inverting and non-inverting amplifiers, small signal (unity bandwidth and gain-bandwidth product) and large signal (slew rate) frequency response of non-ideal operational amplifiers in inverting and non-inverting configurations; adders, filters/oscillators, instrumentation amplifiers, comparators, rectifiers, clippers, Analog to Digital and Digital to Analog circuits; the terminal characteristics of devices and their use in linear (amplifiers) and non-linear circuits, e.g., biasing and ac models (low and high frequency, characterising amplifiers, the Miller Effect and Miller Multiplier for the case of transistor circuits) for operational amplifiers and discrete circuit transistors, diodes/Zener diodes, transistors (MOSFETs, BJTs – including large signal Ebers-Moll Model); integrated transistor circuits for MOSFETs using active loads; combining devices into amplifiers, e.g., differential pairs, cascode and Darlington connections, Szlikai pairs, current sources and mirrors, push-pull; high frequency amplification and appropriate equivalent circuit models.

ECTE222 Power Engineering 1

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECTE101 or ECTE172

Co-requisites: ELEC202 or ECTE202

Exclusions: ELEC221, ELEC222

Subject Description: Topics covered include: Typical power system loads; basic structure of a power system; electric power generation; single and three phase systems. Power system equipment: transformers, switch gear and protection. Installation practice: voltage drops, power factor correction, tariffs, safety, earthing, protection equipment rating. Power quality: system disturbances, equipment susceptibility, improvement and instrumentation.

ECTE233 Digital Hardware 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ECTE150 or ECTE171 or ECTE195 or CSCI111 or CSCI114 or CSCI192

Co-requisites: None

Exclusions: ELEC231, ELEC233

Subject Description: Topics covered will include: combinational logic, simplification of logic expressions, Karnaugh maps; sequential logic, flip-flops, registers, clock,

timing and synchronisation problems; sequential machines, Mealy and Moore machines, timing diagrams and state tables. Students will also be required to become proficient at writing simple programs for a microcontroller.

ECTE250 Engineering Design and Management 2

Annual Wollongong On Campus

Credit Points: 6

Pre-requisites: (ECTE150 or MGMT110) and (MATH142 or MATH162 or MATH188) or ECTE171 and (MATH142 or MATH162 or MATH188)

Co-requisites: ECTE202

Exclusions: ELEC250 and INFO202

Subject Description: This subject consists of a structured team design activity covering the first four phases of a product design cycle. Student teams will undertake the entire project using staff as 'costed' advisors. The team activity will be supplemented by lectures covering such areas as language and communications, teamwork, an introduction to key project management design and development activities, including management concepts and tools to enable Engineers to effectively manage the design and development aspects of both a project and its associated activities.

ECTE281 Embedded Internet Systems

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECTE101 or ECTE172 or ECTE191 or ECTE196 or ECTE182

Co-requisites: None

Subject Description: The aim of this subject is to provide students with an understanding of the concepts and typical applications of embedded internet real-time systems. In addition, the methodologies and tools used to design and develop embedded internet real-time systems will also be covered. The subject will cover Web servers in embedded systems, embedded system configuration, real-time embedded databases, design for embedded internet, wireless embedded internet systems including WAP and Bluetooth technologies.

ECTE282 Internet Systems

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ECTE101 or ECTE172 or ECTE196 or ECTE182

Co-requisites: None

Subject Description: This subject will examine Internet protocols, technologies and performance issues. In particular, the link layer technologies that underpin the Internet will be considered. Topics will include: TCP/IP, IP Addressing, Address Resolution Protocol (ARP), Asynchronous Transfer Mode (ATM), Ethernet, Gigabit Ethernet, Frame Relay, Congestion Control/Flow Control. The role of various standards bodies, e.g., Internet Engineering Task Force (IETF) and the International Telecommunications Union (ITU), will be examined. Laboratory exercises will illustrate the operation of key Internet protocols.

ECTE283 Internet Technology 2

Spring Wollongong On Campus

Credit Points: 6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Pre-requisites: ECTE101 or ECTE172 or ECTE196 or ECTE182</p> <p>Co-requisites: None</p> <p>Subject Description: This subject examines recent Internet developments, particularly in access systems, quality of service deployment and scalable architectures. Emerging applications, such as Internet Telephony and Universal Multimedia Access (UMA) will be studied in depth, as well as the protocols that underpin them (e.g., routing, coding). Topics will include: OSPF, BGP4, Mobile IP, Integrated Services, Differentiated Services, Wireless Access Protocols, Simple Network Management Protocol (SNMP), Media Coding Schemes, RSVP, H.323 and SIP. Advanced laboratory exercises will illustrate the operation of various internet protocols.</p>	
Commerce		
Creative Arts	<p>ECTE290 Fundamentals of Electrical Engineering</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: MATH141 or MATH161 or MATH187</p> <p>Co-requisites: PHYS142 or PHYS143</p> <p>Exclusions: ELEC290</p> <p>Subject Description: ECTE290 is offered as a servicing subject to students undertaking Bachelor of Engineering Degrees within the Faculty of Engineering. The aim of this subject is to provide students in other Engineering disciplines with an introduction to some basic concepts of electrical circuits, electrical measurements, instrumentation, data logging, and heavy current devices.</p>	
Education		
Engineering	<p>ECTE301 Digital Signal Processing</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: Year 1 subjects or equivalent, ECTE203</p> <p>Co-requisites: None</p> <p>Exclusions: ELEC301</p> <p>Subject Description: Topics covered include: review of discrete-time signals and linear time-invariant systems; digital processing of continuous-time signals; introduction to random signals, correlation and matched filtering; FIR and IIR Digital filters and their analysis in the z- and in frequency domains; the DFT (discrete Fourier transform) and its applications; FFT algorithms; FIR and IIR digital filter design and implementation techniques; spectrum analysis and estimation using windows; and practical applications of DSP algorithms.</p>	
Health & Behavioural Sciences		
Informatics	<p>ECTE323 Power Engineering 2</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: Year 1 subjects or equivalent, ECTE222 or MATH201 or MATH283</p> <p>Co-requisites: None</p> <p>Exclusions: ELEC322</p> <p>Subject Description: Topics covered will include: induction and dc machines; elements of electric motor drives; power electronics.</p>	
Law		
Science	<p>ECTE331 Embedded Java Systems</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: Year 1 subjects or equivalent, CSC1124 or CSC1192</p> <p>Co-requisites: None</p> <p>Subject Description: The primary aim of this subject</p>	<p>is to enable students to deploy Java for programming of embedded systems, both with and without user interfaces. The subject will consider Java (both Micro and Standard Editions) for embedded systems. In particular, material will address embedded devices, such as mobile phones, and internet aware microcontroller systems. The subject initially familiarises the students with the fundamentals of programming in Java, using appropriate IDEs (e.g., Eclipse and NetBeans) and tools such as ANT. It then introduces the application of Java in embedded systems concentrating on the use of J2ME and J2SE on systems that do not support the full J2SE, e.g., real-time Java enabled platforms such as TINI boards and MIDP 2.0 devices. A laboratory will provide students with guided experiments that investigate the limitations and opportunities of Java programming on restricted user devices and platforms.</p>
	<p>ECTE333 Digital Hardware 2</p> <p>Annual Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: Year 1 subjects or equivalent, ECTE233</p> <p>Co-requisites: None</p> <p>Exclusions: ELEC332, ELEC333, CSCI334</p> <p>Subject Description: Topics covered will include: computer architecture, central processing unit, memory (ROM and RAM), input/output devices; basic computer organisation, binary data and instruction codes, machine and assembly languages - instruction set, direct and indirect addressing; building computer systems from commercially available parts such as micro-processors and micro-controllers, static and dynamic memory, A/D and D/A converters, digital I/O, and serial communication integrated circuits. Students will also be required to become proficient at interfacing a micro-controller with digital hardware and writing programs to control the hardware.</p>	
	<p>ECTE344 Control Theory</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: Year 1 subjects or equivalent, ECTE202 and (MATH201 or MATH283)</p> <p>Co-requisites: None</p> <p>Exclusions: ELEC343, ELEC344</p> <p>Subject Description: Topics covered will include: mathematical modelling of physical systems; signal flow and state space representation of systems; steady state and transient analysis; root locus; frequency response analysis using Nyquist and Bode; design of PID, lag, lead, controllers using Bode and root locus methods; multiloop control.</p>	
	<p>ECTE350 Engineering Design and Management 3</p> <p>Annual Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: Year 1 subjects or equivalent, ECTE250 or ENGG154</p> <p>Co-requisites: 15 credit points at 300-level ECTE subjects</p> <p>Exclusions: ELEC350 and ECTE371</p> <p>Subject Description: The aim of this subject is to provide students (in teams) with the opportunity to undertake a significant product development exercise, from target specification through to product launch. The emphasis is on the technical achievements of the team</p>	

project. Student teams will undertake the entire project using staff as 'costed' advisors. The team activity will be supplemented by lectures covering such areas as an introduction to key implementation activities, including management concepts and tools to enable Engineers to effectively manage the critical implementation aspects of projects; social and ethical considerations; psychology/ergonomics; and engineering test methodology.

ECTE363 Communication Systems

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: ECTE203

Co-requisites: MATH201 or MATH283 or STAT131

Exclusions: ELEC361, ELEC363

Subject Description: The aim of this subject is to provide students with an understanding of the basics of modern communications systems. Topics covered will include: base-band signalling, including transmission through band-limited channels; band-pass signalling, including digital modulation techniques.

ECTE364 Data Communications

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH122 or MATH142 or MATH162 or MATH188 or STAT131

Co-requisites: None

Exclusions: ELEC362, ELEC364

Subject Description: Topics covered will include: basics of data communications; fundamentals of computer networks; fundamentals of information theory; error correction techniques; parallel and serial communications; packet switching; layered protocols; network types and topologies (fixed and wireless); access protocols and source coding.

ECTE365 Communication System Modelling

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: ECTE364

Subject Description: There are four main aspects of this subject: (i) Modelling techniques and optimisations, including linear programming and heuristics; (ii) Principles of Simulation, including system modelling, performance evaluation, and error sources in simulation; (iii) Markov Modelling, including definition of a discrete Markov process and its application in describing random sequence of events in communication systems; and (iv) Introduction to Queueing Theory, including exponential distribution, Poisson distribution, M/M/1 queues and Little's formula. The practical will include design and simulation of a simple communication system using an appropriate simulation package (such as MATLAB/Simulink).

ECTE391 Internet Technology Project

Not on offer in 2007

Credit Points: 6

Pre-requisites: INFO202 and WAM of > 70 at the end of Year 2 full-time.

Co-requisites: None

Subject Description: ECTE391 requires students to work on individual projects that may involve some background reading and analysis, the development of hardware and/or the development of software.

It will involve weekly tutorial sessions; a seminar presentation and report writing. The aim of this subject is to provide an opportunity for students who have achieved the required pre-requisite to undertake an individual project and develop their initiative.

ECTE392 Wireless Internet

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ECTE291 or ECTE282

Co-requisites: ECTE364

Exclusions: ECTE465

Subject Description: The aim of this subject is to provide students with the knowledge to evaluate current and emerging trends in wireless networks in relation to the Internet. The following topics will be covered: wireless local area networks, personal area networking, mobility in the internet, wireless access protocols, internet in second and third generation mobile networks.

ECTE401 Multimedia Signal Processing

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE301

Co-requisites: None

Exclusions: ECTE403, ECTE405

Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in ECTE301 Digital Signal Processing. The contents consist of applying digital signal processing to practical applications including speech, audio, image and video processing.

ECTE402 Optimum Signal Processing

Not on offer in 2007

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE301

Co-requisites: None

Exclusions: ECTE404

Subject Description: The aim of this subject is to provide students with a basic understanding of design and analysis of stochastic and adaptive signal processing algorithms. Topics covered include: random variables, signals and vectors, correlation and covariance matrices and their properties, autoregressive (AR), moving average (MA) and autoregressive moving average (ARMA) signal models, whitening filter and innovation process, modern power spectrum estimation techniques including parametric methods, minimum variance spectral estimation, and eigenanalysis algorithms (MUSIC and ESPRIT), linear prediction, maximum likelihood and MSE estimation, Wiener and Kalman filters, the LMS algorithm and adaptive filtering.

ECTE403 Image and Video Processing

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ELEC301 or 311 or ECTE301

Co-requisites: None

Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in ECTE301 Digital Signal Processing 1. The contents will consist of: applying digital signal processing in image and video processing applications.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	ECTE404 Adaptive Signal Processing <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC301 or 311 or ECTE301 Co-requisites: None Exclusions: ELEC403 Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in ECTE301 Digital Signal Processing 1. The contents will consist of: applying digital signal processing in adaptive signal processing (echo cancellation, channel equalisation, etc.) applications.
Commerce	
Creative Arts	ECTE405 Speech and Audio Processing <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC301 or 311 or ECTE301 Co-requisites: None Exclusions: ELEC403 Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in ECTE301 Digital Signal Processing 1. The contents will consist of: applying digital signal processing in speech and audio processing applications.
Education	
Engineering	ECTE411 AC-Sourced Power Electronics <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC323 or 322 or 323 or ECTE323 Co-requisites: ELEC313 or 311 or ECTE313 Exclusions: ELEC411 Subject Description: Topics covered in this subject include: ac-sourced power electronics devices and their main applications, ac to dc power conversion and its industrial applications, ac voltage controllers, high power conversion in electric power utilities, harmonics and current research developments.
Health & Behavioural Sciences	ECTE412 Power Electronics and Drives Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: Year 2 subjects or equivalent Co-requisites: ECTE344 Exclusions: ECTE411, ECTE425 Subject Description: The aim of this subject is to provide students with an understanding of power conversion circuits using modern power switching devices and their application to equipment supplies and the control of electric drives. Topics covered include: power switching devices and their application, dc-dc converters, ac-dc converters, including switch-mode power supplies, dc-ac conversion using inverters, methods of pulse width modulation, selection of motors for industrial applications, and the design of closed loop speed control systems for dc and ac motors.
Informatics	
Law	
Science	ECTE413 Micro-Electronics <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC313 or 311 or ECTE313 Co-requisites: None Subject Description: The aim of this subject is to

extend the electronics knowledge gained in ECTE313 Electronics. Topics covered will include: theory of operation of BJT and FET devices; the use of FET devices in analogue and digital circuits; CMOS logic family; oscillators; high frequency amplifiers; VLSI design techniques; gate arrays; programmable logic devices; memory cells. The practical component will consist of using Electronics Simulation Packages to (a) model circuits and examine their behaviour; (b) perform a logical design, (c) program the design into a programmable device and test its performance.

ECTE421 Power Quality

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ECTE222

Co-requisites: ECTE301

Subject Description: This subject will study the different types of systems which can propagate in the electric power supply, their origins and their effects on sensitive equipment such as computers, telecommunications systems, PLCs and variable speed drives. The disturbances include harmonics, voltage sags, capacity switching transients, voltage unbalance, etc. Topics discussed will include: the ability of equipment to emit disturbances, its susceptibility, industry standards and design techniques to ensure standards are met.

ECTE422 Power Quality Monitoring

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent,

ELEC323 or 322 or ECTE323

Co-requisites: None

Subject Description: This subject will treat measurement techniques and waveform interpretation relevant to the operation of sensitive equipment with a non-ideal power supply. The different types of waveform disturbances and their characterisation will be discussed, such as harmonics, inter-harmonics, flicker and voltage sag. Relevant standards for signal analysis will be examined and their approach justified. There will also be a treatment of transducers.

ECTE423 Power System Analysis

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE222

Co-requisites: None

Exclusions: ECTE424

Subject Description: The aim of this subject is to provide students with an understanding of the advanced techniques required for power systems calculations and analysis. Topics covered in this subject include: an introduction to power systems comprising thermal and hydro power stations, transmission lines and distribution systems, computer applications in power systems planning, design, control and operation, review of basic analysis tools, reactive power management, load flow and fault analysis, and transient stability.

ECTE424 Power System Abnormalities

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ECTE222

Co-requisites: None

Subject Description: Topics covered include: reliability concerns, insulation requirements and protection methods of energy systems. The design aspect of energy systems for reliable and economical energy supply, internal and external overvoltage protection of energy systems and terminal equipment, stability limits of energy systems and the application of electromagnetic transient programs (EMTP) for insulation co-ordination will be discussed.

ECTE425 Industrial Drives and Actuators

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ECTE222

Co-requisites: ECTE344

Subject Description: Topics covered in this subject include: selection of dc, ac motors (induction and/or permanent magnet) and actuators for industrial applications and the design of closed loop speed control systems for dc and ac motors. In ac motor control, field orientation will be given particular emphasis.

ECTE426 Power Distribution Systems

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE222

Co-requisites: None

Exclusions: ECTE421

Subject Description: The aim of this subject is to provide students with an understanding of the design concepts and operation of electrical power distribution systems relevant to the electrical utility industry and industrial plants containing large power distribution applications. Topics covered in this subject include: an introduction to distribution system planning and automation, load modelling and calculations, system equipment modelling and selection, protection and insulation coordination, power quality and system load interaction, design of radial systems, voltage control, capacitor applications, earthing and reliability.

ECTE431 Real-Time Computing

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent,

Co-requisites: None

Exclusions: ECTE491

Subject Description: Requirements and specification methods in real time systems, software design, development and testing cycle, timing analysis of real-time systems, classical problems, pre-emptive scheduling of periodic tasks, non pre-emptive scheduling, intractability results, resource allocation, hybrid real-time/non-real-time models, distributed real-time systems, fault tolerant systems.

ECTE432 Computer Architecture

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE333

Co-requisites: None

Exclusions: ECTE491

Subject Description: The aim of this subject is to provide students with the knowledge of current computer architecture and the skill to design and interface an RISC processor. The topics covered include processor data path and control, CPU architecture, performance issues, enhancing performance

through pipelining, memory hierarchy, Cache, DMA, Buses and other connections, interfacing I/O devices and I/O performance measurements.

ECTE433 Embedded Systems

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE333

Co-requisites: None

Subject Description: The subject will examine the key properties of software, firmware, and hardware systems in the embedded, resource constrained, mobile, and highly distributed world. It will explore topics, including embedded processors instruction sets, performance and power consumption, the embedded computing platform, program analysis and design, embedded processors and operating systems, hardware accelerators, networks for embedded systems, and systems-on-silicon.

ECTE441 Intelligent Control

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, MATH201 or MATH283

Co-requisites: None

Exclusions: ECTE492

Subject Description: This subject will review the latest control techniques used where the system is poorly known or changing with time or conditions. Methods examined in detail may include: fuzzy systems, neural networks, adaptive control, crisp and neuro fuzzy control.

ECTE442 Computer Controlled Systems

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE344

Co-requisites: None

Subject Description: This subject provides the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain and discrete-time. The contents will consist of: discrete time state space modelling of systems, stability analysis in state space, controllability and observability, pole placement design and state feedback, state observer design and predictive control.

ECTE443 Digital Control

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ELEC344 or 343 or ECTE344

Co-requisites: None

Exclusions: ELEC443

Subject Description: This subject provides the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain. The contents will consist of: Impulse sampling, stability analysis in the Z-domain, root locus analysis and design in the Z-domain, W-transformation, frequency response analysis and design in the Z-domain and current research developments.

ECTE444 Identification and Optimal Control

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ELEC344 or 343 or ECTE344

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	<p>Co-requisites: None Exclusions: ELEC444</p> <p>Subject Description: The subject provides the knowledge and skills required to identify the model of a system and optimise its performance. The contents will consist of: system identification using the least square method and quadratic performance index; quadratic optimal control; Kalman filters; and applications of genetic algorithms in system identification and optimal control.</p>	
Commerce	<p>ECTE457 Thesis Annual Wollongong On Campus Credit Points: 18 Pre-requisites: All subjects to the end of Year 3 or equivalent Co-requisites: 18 credit points at 400-level or CSCI311 and 12 credit points at 400-level Exclusions: ELEC457 Subject Description: ECTE457 requires students to work on individual projects which may involve some background reading and analysis, the development of hardware, the development of software, or an experimental program. It will involve weekly tutorial sessions; presentation of seminars; and writing of reports. The aim of this subject is to provide an opportunity for students to undertake a major engineering project and develop their initiative.</p>	
Creative Arts		
Education		
Engineering	<p>ECTE461 Telecommunications Queueing Theory <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469 Co-requisites: None Exclusions: ELEC460 Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including analysis of delay and loss queueing systems, undertake Markov modelling and analysis, and calculate blocking probabilities of telephone switching equipment. Topics covered will include: queueing theory, Markov chain analysis, throughput and congestion analysis, Erlang and Engset distributions, blocking probability and overflow traffic.</p>	<p>ECTE464 Antennas and Propagation <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC363 or 361 or ECTE363 Co-requisites: None Exclusions: ELEC463 Subject Description: Topics covered include: wave propagation in the air and signal radiation and antennas. The aim of this subject is to provide methods of characterising antenna systems for use in communications.</p>
Health & Behavioural Sciences		
Informatics	<p>ECTE462 Telecommunications System Modelling <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469 Co-requisites: None Exclusions: ELEC460/ECTE962 Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including skills to analyse and dimension telephone exchanges, trunk lines, Internet switches and circuit and packet switched networks. Topics covered will include: telephone and data networks and systems, mixed voice and data queueing systems, optimal capacity allocation, direct and alternate routing.</p>	<p>ECTE465 Wireless Communication Systems Spring Wollongong On Campus Credit Points: 6 Pre-requisites: Year 2 subjects or equivalent, ECTE363, ECTE364 Co-requisites: None Exclusions: ECTE464, ECTE466, ECTE467 Subject Description: The aim of this subject is to provide students with an understanding of the systems used in wireless communications. Topics covered include: the regulatory environment, electromagnetism fundamentals, antennas and antenna systems, near earth propagation, the multi-path propagation environment, multi-user communications in wireless systems, Medium Access Control and mobility management mechanisms. Case studies will also be undertaken.</p>
Law		
Science	<p>ECTE463 Transmission Systems <i>Not on offer in 2007</i> Credit Points: 3</p>	<p>ECTE466 Spread Spectrum Communications <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC363 or 361 or ECTE363 Co-requisites: None Subject Description: The aim of this subject is to teach students the theory and highlight the major problems involved in application of spread-spectrum communications. The contents will consist of: basic spread-spectrum techniques, principles of code division multiple access (CDMA), design of spreading sequences, and detection techniques for CDMA. The taught concepts will be illustrated by examples of existing spread-spectrum communication systems.</p> <p>ECTE467 Mobile Networks <i>Not on offer in 2007</i> Credit Points: 3 Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469 Co-requisites: None Subject Description: The aim of this subject is to provide students with the knowledge to evaluate current and emerging mobile networks. Topics covered will include: analogue and digital mobile networks, roaming</p>

in mobile networks, GSM standards and principles, GSM network structure, call hand-over analysis, mobility in the Internet, emerging third generation mobile networks.

ECTE468 Error Control Coding

Not on offer in 2007

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE363
Co-requisites: None

Subject Description: The students will be introduced to information theory and the use of coding in a communications application in the presence of noise and other channel degradations (fading and multipath). Different coding techniques will be considered such as forward error correction techniques, including linear codes, cyclic codes, block codes, convolutional codes, turbo codes and sparse codes related to the theoretical Shannon limit. Case studies will be used to illustrate common error coding techniques. A laboratory component will illustrate concepts associated with error coding techniques.

ECTE471 Robotics and Flexible Automation

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, MATH201 or MATH283

Co-requisites: None

Exclusions: ECTE472, ECTE494

Subject Description: The subject provides the knowledge and skills required to design appropriate robotic systems for flexible automation, including the modelling, analysis, design, and deployment of a robotic manipulator and its associated sensory systems. The contents will consist of: Industrial robots, as a component of automation, mathematical modelling of a robotic arm, direct and inverse kinematics model, direct and inverse dynamic model, trajectory planning, control systems for industrial robots, tactile sensors, force sensors, ultrasound sensors, computer vision and other sensors.

ECTE472 Robotics Sensory Control

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ELEC344 or 343 or ECTE344

Co-requisites: ELEC313 or ELEC311 or ECTE313

Exclusions: ELEC473, ECTE494

Subject Description: This subject provides the knowledge and skills required to design appropriate sensors for the intelligent operation of robotics systems. Topics covered include: intelligent operation of robots, industrial vision, hand-eye control of a robot, tactile sensors, force sensors, ultrasound sensors, and other sensors.

ECTE481 Internet Protocols

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469
Co-requisites: None

Subject Description: This subject will provide students with an understanding of protocols used in the computer networks. Examples will be drawn from existing networks including the Internet. Students will learn what computer network protocols are and how they work today, and how they are likely to evolve in the future. Topics to be studied

will include: LAN medium access control protocols, congestion/flow/error control, routing, addressing, and internetworking. There will be both written and programming assignments, including a project involving the design and implementation of an exemplar protocol.

ECTE482 Network Engineering

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Year 2 subjects or equivalent, ECTE364

Co-requisites: None

Exclusions: ECTE481, ECTE483, ECTE484, ECTE485, ECTE486

Subject Description: ECTE482 will consider large scale IP networks. In addition to considering architectures and protocols, a key focus will be the development of analytical techniques to assist the design and performance monitoring of these networks. Topics will include ISP architectures, BGP routing, Mobile IP, IP QOS, MPLS, ATM, Multimedia applications, Peer to Peer networking and Network Management.

ECTE483 Computer Networking

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent

Co-requisites: None

Exclusions: ELEC364, ECTE364

Subject Description: The aim of this subject is to provide students with an understanding of the techniques that are used to provide communication between computer systems. Topics covered will include: modems, addressing, routing, interworking and congestion control in computer networks.

ECTE484 Network Design and Analysis

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469

Co-requisites: None

Subject Description: The aim of this subject is to provide students with the engineering skills to analyse multi-service packet switched networks and systems. Topics covered will include: simulation and numerical techniques in queueing, software tools for analysis of queueing systems and networks, queueing performance analysis of Internet, ATM and mobile multi-service networks.

ECTE485 Internet Communications

Not on offer in 2007

Credit Points: 3

Pre-requisites: Year 2 subjects or equivalent

Co-requisites: None

Exclusions: ELEC364, ECTE364

Subject Description: The aim of this subject is to provide students with an understanding of the techniques that are used to provide communication between computer systems. Topics covered will include: layered protocol architectures, circuit and packet switching, asynchronous and synchronous transmission, coding, error detection and correction and flow control.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>ECTE486 Telecommunications Network Management</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 3</p> <p>Pre-requisites: Year 2 subjects or equivalent, ELEC363 or 361 or ECTE363</p> <p>Co-requisites: None</p> <p>Exclusions: ELEC468</p> <p>Subject Description: The aims of this subject are to provide students with an understanding of the technical issues of telecommunications management and to provide practical hands-on experience of network configuration and management systems. Topics covered will include: private and public communications systems; LANs and SNMP; general management issues; and international standards.</p>
Commerce	
Creative Arts	<p>ECTE492 Intelligent and Optimal Control</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 6</p> <p>Pre-requisites: ELEC343 or 344 or MECH365 or ECTE344</p> <p>Co-requisites: None</p> <p>Exclusions: ELEC441/444, ECTE441/444</p> <p>Subject Description: The subject provides the knowledge and skills required to analyse and design a system using intelligent methods and optimise its performance. The contents will consist of: introduction to fuzzy systems and artificial neural networks, crisp fuzzy, adaptive fuzzy and neuro-fuzzy control systems; system identification using the least square method and quadratic performance index; quadratic optimal control; Kalman filters; and applications of genetic algorithms in system identification and optimal control.</p>
Education	
Engineering	
Health & Behavioural Sciences	<p>ENGG291 Engineering Fundamentals</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: None</p> <p>Co-requisites: None</p> <p>Subject Description: This subject is designed to provide students from disciplines such as Electrical, Telecommunications and Computer Engineering with an introduction to some other Engineering disciplines which have an important role in the design and application of electrical and computer technologies. Three main areas are covered. Heat Transfer- Conduction, convection and radiation heat transfer as applicable to the field of electrical engineering. Engineering Mechanics- Forces, moments and equilibrium states; stress in beams, cylinders and shafts; simple deflection analysis. Materials Engineering- Overview, of engineering materials; bonding and crystal structure in electrical and electronic materials; origin of electrical and electronic properties; structure and properties of electrical and electronic materials; selection of materials for application in electrical engineering.</p>
Informatics	
Law	
Science	<p>IACT201 Information Technology and Citizens' Rights</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: 24cp @100 level</p> <p>Co-requisites: None</p> <p>Subject Description: This subject covers the body of ideas and commonly held principles that broadly apply to ethical behaviour in the information technology</p>

environment. IACT201 will examine the social and ethical implications of information technologies as they apply to citizens and information technology professionals. It will present legal, regulatory, social and ethical perspectives on the use of such technologies through topics of intellectual property, privacy, networking, security, reliability. The inclusion of a professional ethics is to prepare students for careers in the information technology industry. The extent to which technological advancements have altered societal expectations is also examined.

IACT202 The Structure and Organisation of Telecommunications

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: IACT101 OR CSCI102 or CSCI111 or CSCI114

Co-requisites: None

Subject Description: The aim of the subject is to provide students with an introduction to the technologies and regulatory structures which constitute the modern telecommunications system. Under regulatory components, the variety of telecommunications services and related regulatory concepts and structures are discussed. Under technological components, the following issues are dealt with: telecommunications standards; new network services; and basic components of the telecommunications system such as the public switched network, the radio frequency spectrum, mobile telephony and satellites.

IACT301 Information and Communication Security Issues

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: IACT201

Co-requisites: None

Subject Description: This subject will examine current controls, both legislative and technical, aimed at maintaining data integrity, ease of access to information, and protection of ownership, in the light of on going developments in computer security, multimedia communications, international electronic networks, and electronic publishing. The subject will cover communication security; issues relating to the monitoring of international agreements; OECD guidelines for security of information; maintaining privacy provisions; password security; and future IT developments and their implications for monitoring intellectual property rights and communication security.

IACT302 Corporate Network Planning

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: IACT202 or ELEC211 or ELEC212 or ECTE211 or ECTE212 or ECTE282 or ECTE283

Co-requisites: None

Subject Description: This subject explores telecommunications network planning from a strategic perspective. Topics covered will include: (1) Fundamental Networking Concepts: standards, protocols, architectures and technologies (2) Fundamental Data Networking Concepts: network topologies, network devices, wireless networking, security and applications (3) Fundamental Voice Networking Concepts: history, network classifications,

the telephone system and voice communications, architectures, cellular networks (4) Convergence Of Voice And Data In Telecommunications: frame/cell relay, broadband networks, emerging technologies

IACT303 World Wide Networking

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: IACT101 or CSCI102 or CSCI213 or BUSS110 or CSCI111 or (CSCI114 & CSCI103)

Co-requisites: None

Subject Description: This subject investigates topics such as the following within the context of world wide networking: Web Technologies & Protocols; Software Development and Quality Assurance for Web Applications; Network Security; Client-side and Server-side Practical Tools for the Web; Local and International Web-based Policy and Practice in Education, Business and Government; Content Management for the Web; Current Legal Issues and the Web; and Web Services. Emphasis will be placed on group work with students required to participate in problem solving communications tasks. Web based activities will be an essential element in the conduct of this subject. Other activities may include: the running of a bulletin board or Internet mailing list or the maintenance of a World Wide Web site.

IACT304 Principles of eBusiness

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 cp at 200 level in IACT or CSCI or ITCS

Co-requisites: None

Exclusions: ITCS938

Subject Description: This subject aims to provide students with an understanding of eBusiness fundamentals. Today most businesses compete in a global environment and a sound strategy for online business is essential to facilitate this. This subject covers key areas of eBusiness, including: business-to-consumer, business-to-business and business-to-government electronic commerce (EC); online business models and electronic payment systems (EPS) and EC technology basics. Standards, regulation and policy, security and social and economic issues will also be considered in the contexts of business Intranets, Extranets and the Internet. The subject also provides an introduction to the 'Patterns for eBusiness' approach to eBusiness analysis and design.

IACT305 eBusiness Technologies

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: ITCS201 & 6cp of 200 level IACT or ITCS201 & 6cp of 200 level CSCI

Co-requisites: None

Exclusions: ITCS938

Subject Description: The subject explores the technology being adopted by organisations and the various means of maximising business potential using Internet technology, including eBusiness (B2B, B2C, B2G etc.). The focus of the course is from the IT professional perspective, giving the student a feel for what is required in a commercial business environment. The technology aspects will cover both developing in house software, as well as selecting 'best practice'

outsourced options. Comparisons are drawn between the two adoption methods, and the student is engaged by scenario role playing as part of the group assignments.

IACT401 IT Strategic Planning

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Exclusions: IACT901

Subject Description: The subject is essentially about the application of technology for competitive advantage. Throughout the subject, the spotlight will be trained on techniques and frameworks for 'thinking strategically about a company's technological orientation'. A wide spectrum of business and technology issues will be covered that address the problems and issues surrounding the analysis and development of an IT strategic plan.

IACT402 Applied Project Management

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: IACT402 deals with the efficient management of a medium size project to ensure that a project meets deadlines and is within its budget. It covers the process of planning, directing and controlling the development of an IT project. Topics covered will include project management tools, software and techniques; expectations management matrices; and use of people management (the subtle art of delegation and accountability). Students will test the principles on the plan, design and implementation of a medium size project.

IACT403 Human Computer Interface

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Exclusions: CSCI324, IACT931, MCS9324

Subject Description: This subject examines the design evaluation and implementation of interactive computing systems for human use (HCI) and the major phenomena surrounding them. Also considered are joint performance of tasks by humans and machines, structure of human machine communication, social and organizational interactions with machine design, human capabilities to use machines including their learnability as well as algorithms and programming of the interface itself, engineering concerns that arise in designing interfaces, the process of specification design and implementation of interfaces and design tradeoffs.

IACT404 International Telecommunications Policy Issues

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: IACT 404 provides students with an understanding of the policy issues relating to the emergence of political, economic and technological change in international telecommunications. The inter-disciplinary foundations of telecommunications policy are examined. Issues in the development of

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

telecommunications policy in Australia and overseas are reviewed as well as the regulatory frameworks adopted by different countries (eg. Australia and the United States) and regions (eg. European Union and South East Asia).

IAC2405 Information Technology and Innovation

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: The rapid development of information technology networks has prompted governments to develop national policies to promote the growth of services in these areas. Innovation in information technology and its effective use is now seen to underpin international competitiveness. Successful innovation policies are now central to the future viability of industry and nations alike. This subject addresses key themes such as: the importance of innovation to the economy and the firm; the links between information, information technology and innovation; and, the development of effective national policies to promote industrial innovation. Issues such as the role of multinationals, transborder data flows and research and development are discussed in this context.

IAC2406 Strategic eBusiness Solutions

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: IAC2304

Co-requisites: None

Subject Description: This subject aims to provide students with an understanding of how to design integrated solutions for eBusiness using a pattern-oriented approach. Enterprises, both large and small, as well as government institutions, are increasingly becoming reliant upon eBusiness infrastructure. Knowing the strategic business and technology principles and practices related to the design process is becoming increasingly important for a given organisation. This subject will cover business scenarios including electronic data interchange (EDI), supply chain management (SCM), enterprise application integration (EAI), customer relationship management (CRM), sales force automation (SFA); and knowledge management systems (KM).

IAC2416 Organisational Issues in Information Technology

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: IAC2416 aims to provide the student with an understanding of issues related to the combination of management, workers and information technology. Students will gain an appreciation of the complexity of the issues involved in decision making when people and technology are concerned. Students will also develop an understanding across commerce and industry of the parallels that exist in the development, implementation and application of information and communication technology. Effect on organisational information flows of growth in size and complexity: the management and technological response; Information technology as a catalyst in codifying work procedures

and creating new organisational structures; Hierarchical versus horizontal approaches to information management; Management theory and IT; Industrial use of IT and parallels with office sector usage. Implications of broadband networks for traffic integration and subsequent application in commerce and industry.

IAC2417 Information Management

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 cp @ 300 level

Co-requisites: None

Subject Description: This subject focuses on the importance of information as a resource, on which the knowledge base of successful organisations is dependent. While the main focus of the subject is information management within the organisation, a broader context is important. National and international issues relating to information access will be addressed. These include: standards relating to electronic storage and retrieval of electronic documents (digital archiving); legal protection for information as an economic good (for example as patents, copyright and other forms of intellectual property); and social and ethical issues (eg privacy and security) relating to information management.

IAC2418 Corporate Network Management

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: The subject investigates the documentation and management of telecommunications networks. Topics to be covered include 1. Documenting the Network: requirements capture and specification, functional specification, design specification, documenting the network configuration 2. Managing the Network: influences on the network, management architectures and standards, performance management, fault management, disaster management, managing changes in a network, cost minimisation management 3. Corporate and Regulatory Requirements: management teams, operations and support, standards and protocols.

IAC2419 Online Information Services

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: This subject examines the emergence of electronic information supermarkets and the changes in ownership that have taken place within the online information industry as mass media conglomerates have entered the field. Other aspects covered include: the role of government in the development of online databases and networks; the creation of 'value-added' products through re-formatting, marketing and electronic delivery of information; the future of public information sources such as libraries and government data collection and publication agencies in a changing online environment; and the potential of network developments in the delivery of online information resources. Students will be required to use some electronic information services including Australian and International databases and other online information resources.

IACT422 Case Studies in Information Technology Applications

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: IACT422 examines leading edge technological developments and the issues arising from the innovative uses of such technology. This subject covers innovative and new applications of information technology to create services and systems, eg electronic banking, video conferencing, multimedia, EDI and CD-ROM. In order to provide a thorough background and understanding of an application, normally only one case will be studied in the subject in any one semester. Cases that may be covered include, multimedia, EDI, EFTPOS, use of IT in supply chain optimization, management and execution or Location- Based Services (LBS). Subject content will engage students at different levels of understanding from strategic to technical.

IACT424 Corporate Network Design and Implementation

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: The subject investigates the design and implementation of a telecommunications network plan. Topics to be covered include (1) The Need for Planning and the Planning Process: planning teams, strategic planning, the network plan, security planning and implementation planning. (2) The Design Process: design teams, translating the plan into design criteria, requirements capture and specification, design requirements and criteria, choosing topographies and architectures, evaluating plans (3) The Implementation Process: implementation teams, validating implementation plans, managing people and technology, managing the implementation process.

IACT426 Information Society, Knowledge Work and Information Technology

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: The subject examines the concept of 'information society' and its measurement. It also examines the changing structure of the workforce with an investigation of the place and role of knowledge workers in the labour force being a core element. An examination of the trends affecting knowledge workers in Australia, and internationally, with respect to increasing credentialism, life-long learning and issues relating to their education and training will be undertaken. The introduction and application of IT affects each of these areas is therefore another critical component of study.

IACT430 Special Topics in Information and Communication Technology

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24 @300 level

Co-requisites: None

Subject Description: This is an elective subject usually undertaken in the Honours year of the BInfoTech degree, and is also available to students from other disciplines. IACT430 aims to provide the student with an understanding of topics at the forefront of the discipline. Topics will be selected from areas of interest of staff members or visiting staff members to the School. These will include topics in the application of information and communication technology.

IACT433 Special Topics in Telecommunications Issues

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Subject Description: Topics will be selected from areas of interest of staff members or visiting staff members to the School in the area of telecommunications. IT is a rapidly changing area. This subject will allow investigation into topics at the forefront of the discipline.

IACT441 IT Research Methodology

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: WAM of 67.5 & approval from Head of School OR Where students articulating (via credit or advance standing) to UoW have completed less than 2 full-time sessions (i.e. 48cp) at UoW the entry requirement for IACT441 and thus BInfoTech (Hons), is: a GPA of prior qualification (weighted) + WAM for session completed at UoW.

Co-requisites: None

Exclusions: IACT451

Subject Description: IACT441 will cover the following topics on IT research methodology: What is Research (Purpose of thesis components); Research Methods; Literature Review - Critical Reading, Annotated bibliography and note taking; Survey Methods; Quantitative Methodologies (Results etc); Literature Review - Structure, Writing Up and Presentation Skills Satisfactory attendance at workshops is a requirement for the successful completion of this subject as is attendance at the Postgraduate Forum, held usually during week 8 of Autumn Session

IACT450 Research Report

Spring Wollongong On Campus

Credit Points: 18

Pre-requisites: a grade of 75% or better in IACT441

Co-requisites: None

Exclusions: IACT440

Subject Description: This is an Honours year subject of the BInfoTech degree, only available to students enrolled for honours by completing IACT441 at a grade of 75% or better. It is a research project conducted under the supervision of academic staff in the school.

IACT451 IT Project

Annual Wollongong On Campus

Credit Points: 12

Pre-requisites: IACT301 and IACT302 plus at least 12 credit points of 300 level subjects

Co-requisites: None

Exclusions: IACT441

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Subject Description: This subject is a group project, conducted under the supervision of an academic staff member(s). Staff members will propose real-world IT projects ranging from the selection and implementation of IT to the development and implementation of software systems. Involves: project planning, group coordination, seminars and individual presentations, research of proposed application domain, preparation of reports and, depending on the project, various system development methodologies. Students will form teams, each of which will design, implement and document a solution to one of the proposed projects. Teams will meet weekly with supervisors to discuss progress and problems.</p> <hr/> <p>INFO202 Project Annual Wollongong On Campus Credit Points: 6 Pre-requisites: ECTE195 or CSCI111 or CSCI114 or ECTE171 Co-requisites: (CSCI213 or ITCS213 and ECTE291) or (CSCI213 or ITCS213 and ECTE282) Exclusions: ECTE250 Subject Description: This subject consists of a structured team design activity covering the first four phases of the design cycle for a Web-based or IT product. Student teams will undertake the entire project using staff as 'costed' advisors. The team activity will be supplemented by lectures covering such areas as language and communications, teamwork, an introduction to key project management design and development activities, including management concepts and tools to enable IT Professionals to effectively manage the design and development aspects of both a project and its associated activities.</p> <hr/> <p>INFO301 Secure and Reliable Digital Communication Spring Loftus On Campus Credit Points: 6 Pre-requisites: 48 credit points at 100-level, including MATH121 or MATH187 Co-requisites: None Exclusions: INFO412 Subject Description: INFO301 is a cross-disciplinary subject, and contains three inter-related modules: 1. Cryptography, Coding and Compression; 2. Social Issues in Modern Communications; and 3. Mathematics for Modern Communication. The subject introduces the technical and social issues underlying some representative digital communication technologies, focussing on the themes of secure and reliable communication. The technical issues include some of the mathematical, statistical, and algorithmic aspects of the technologies, while the social issues involve analysis of the associated legislative, privacy and ethical questions. The Maple computer algebra package will be used extensively as a tool with which to explore the technical issues.</p> <hr/> <p>INFO303 Advanced Project Annual Wollongong On Campus Credit Points: 12 Pre-requisites: INFO202, and WAM > 70 in level 200 subjects Co-requisites: None Subject Description: This subject provides an opportunity for more capable students to do a group multi-disciplinary project in an area related to internet</p>	
Commerce		
Creative Arts		
Education		
Engineering		
Health & Behavioural Sciences		
Informatics		
Law		
Science		

science and technology. It will allow students to learn how to communicate with one another in teamwork, in collaboratively executive a large internet related project.

INFO401 Mathematics and Finance Honours Project

Spring2007/Autumn2008 Wollongong On Campus
Annual Wollongong On Campus

Credit Points: 12

Pre-requisites: WAM greater than or equal to 67.5 after completing 144 cp of the course.

Co-requisites: None

Subject Description: This is a project conducted under the supervision of one or more relevant members of academic staff. The topic of the work is determined jointly by the student and supervisor.

INFO402 Mathematics and Economics Honours Project

Annual Wollongong On Campus
Spring2007/Autumn2008 Wollongong On Campus

Credit Points: 12

Pre-requisites: WAM greater than or equal to 67.5 after completing 144 cp of the course.

Co-requisites: None

Subject Description: This is a project conducted under the supervision of one or more relevant members of academic staff. The topic of the work is determined jointly by the student and supervisor.

INFO403 Computer Bioinformatics Honours Project

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: WAM greater or equal to 67.5 after completing 144cp of the course

Co-requisites: None

Subject Description: This is a research project conducted under the supervision of one or more relevant members of academic staff. The topic of the work is determined jointly by the student and supervisor.

INFO411 Data Mining and Knowledge Discovery

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 36 cp (Knowledge of mathematical and statistical notation at an introductory level.)

Co-requisites: None

Subject Description: Introduction to Data Mining and Knowledge Discovery, Data Bases and Warehouses, Data Structures, Exploratory Data Analysis Techniques, Association Rules, Artificial Neural Networks, Tree Based Methods, Clustering and Classification Methods, Regression Methods, Overfitting and Inferential Issues, Use of Data Mining packages.

INFO412 Mathematics for Cryptography

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Logic: informal propositional logic, circuit theory. Natural Deduction style proofs in propositional & predicate logic. Interpretations & Models. Nonclassical logics. Number Theory:

elementary number theory, modular exponentiation, discrete logarithms, Galois arithmetic & polynomials, error correcting codes & cryptography. Elliptic curves, groups for cryptography. Combinatorics: combinatorial probability, Knapsack problem, network and graph theory, combinatorial designs, game theory & linear programming applied to cryptography.

INFO413 Information Theory

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH121 or MATH122 or (MATH187 and MATH188), or (MATH141 and MATH142).

Co-requisites: None

Subject Description: The following is a selection of topics which may vary. The idea of probability, entropy, inequalities involving entropy, data compression, Huffman and Fano codes, information sources, McMillan's theorem, communication and capacity, block codes, Shannon's theorems, applications to other areas which may include communication, linguistics, genetics and financial investment.

ITCS206 Markup Languages

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 12cp @100 level

Co-requisites: None

Exclusions: ITCS201

Subject Description: XML (eXtensible Markup Language) can be regarded as a language for creating other languages. In this capacity XML has rapidly become ubiquitous in very many diverse areas of IT and is now regarded as an essential core area of knowledge for every IT practitioner. The primary aims of this subject are to enable students to acquire practical proficiency in exploiting XML and to be able to explain the relevance of XML for many IT and Business contexts. In addition to being a new area of study, by studying XML students can extend or re-enforce their understanding of related study areas, e.g., the students can develop their understanding of data modelling and object-orientation (via XML schemas and XML transformations). As a secondary aim (a minor but relevant part of the subject) the subject will provide a basic practical proficiency in manipulating HTML and hence construction of elementary web pages.

ITCS213 Java Programming & the Internet

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: CSCI121 or CSCI124

Co-requisites: None

Subject Description: This subject provides: 1. an introduction to the Java language and some of its standard class libraries 2. experience with object oriented design and implementation techniques 3. an understanding of the Internet and its importance to modern software systems. Topics will include: Java language, subset of Java class libraries (windowing, graphics, networking, threads), object oriented design and implementation, Internet issues, basics of TCP/IP protocols, Web technologies, HTML and Javascript, CGI programming, introduction to security issues.

ITCS301 Exploiting Collaborative Technologies

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 cp at 200 level in IACT or CSCI or ITCS

Co-requisites: None

Subject Description: Students learn how to practically exploit Collaborative Technologies within eBusiness contexts. The concepts of Collaboration and the details of Collaborative Technologies will be investigated and explained from different eBusiness perspectives including the eBusiness Solutions perspective and the Patterns for eBusiness perspective. Examples of focus will include collaborative tools and techniques to support Knowledge Management and to support eLearning within an eBusiness solutions framework. Collaboration patterns will include modern variants of traditional categories including contextual (asynchronous) collaboration and interactive (synchronous) collaboration. Includes a practical focus ie a laboratory component that explores working with advanced collaborative applications including (for example) QuickPlace, Virtual Classroom, .NET and various extensions to the J2EE (Java 2 Enterprise Edition) platform. The subject will exploit collaborative team approaches to practical assignments.

ITCS429 Concepts and Issues in Healthcare Computing

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Exclusions: ITCS929

Subject Description: This subject examines the essential concepts of health computing, limitations of technology, issues of privacy and security, economics of healthcare computing, managing healthcare computing projects, evaluation methods in medical informatics, risk assessment in health informatics and the important issues involved in computer applications in healthcare.

ITCS430 Introduction to Health Informatics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Co-requisites: None

Exclusions: ITCS930

Subject Description: The subject covers clinical decision making and decision support systems and how health informatics and health information systems can assist. Topics include decision-making and decision-support systems in healthcare; knowledge engineering in health informatics, the reasons for the necessity of systematically processing data, information and knowledge in medicine and healthcare; benefits and constraints of using information and communication technology healthcare systems; patient management; primary care systems and knowledge management.

ITCS431 Advanced Web Application Development

Not on offer in 2007

Credit Points: 6

Pre-requisites: 24cp @ 300 level

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>Co-requisites: None</p> <p>Subject Description: This subject is an advanced web applications development subject utilizing the visual basic integrated development environment. Requirements analysis and component solution architectures for e-commerce applications will be studied and solutions implemented utilizing advanced features of VB IDE. See Subject Outline for details</p>
Commerce	<p>ITCS432 Web Design</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: 24cp @300 level</p> <p>Co-requisites: None</p> <p>Subject Description: This subject introduces students to the design and programming of multi-tier web sites, where dynamic pages present data from databases. Programming will be done with frameworks, such as Apple Web Objects to create web applications that support dynamic web pages and object models of databases. Topics include the design and creation of user process, site architecture, elegant page layouts and simple site navigation. Pages will be designed and content created with professional web tools, such as Adobe web tools. Emphasis is placed on user process, good media design, clean architecture and efficient algorithms.</p>
Creative Arts	
Education	<p>ITCS436 Detailed Design of Integrated Solutions for eBusiness</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: IACT305 or CSCI399</p> <p>Co-requisites: None</p> <p>Subject Description: This subject develops the students' understanding of the system development process by taking the student through all the phases of analysis design and construction of an eBusiness solution. The methods adopted provide an in-depth understanding of the logistical problems associated with gathering user requirements, and analysis and design, using the 'Patterns for eBusiness' method.</p>
Engineering	
Health & Behavioural Sciences	<p>ITCS450 Patterns for eBusiness</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: 12 cp at 200 level of IACT or CSCI</p> <p>Co-requisites: None</p> <p>Exclusions: ITCS950</p> <p>Subject Description: This subject explores advanced 'pattern-oriented' approaches to the design and development of eBusiness solutions. The 'Patterns for eBusiness' initiative provides a conceptual framework that can be exploited at all stages in the eBusiness software lifecycle. In particular, this conceptual framework and vocabulary bridges the communications gap between business analysts and systems developers seeking to devise integrated solutions for eBusiness.</p>
Informatics	
Law	<p>ITCS451 Web Services for Dynamic eBusiness</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 6</p> <p>Pre-requisites: IACT305 or CSCI399</p> <p>Co-requisites: None</p> <p>Exclusions: ITCS951</p> <p>Subject Description: Web Services are at the core of what is being termed the next generation of eBusiness.</p>
Science	

The term 'Web Services' refers to the set of standard protocols and associated technologies that enable software applications to communicate with each other across the Internet. To effectively exploit the potential of Web Services requires appropriate effort in the proper design of business processes and service architectures.

MATH010 Enabling Mathematics for Engineers

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: HSC General Mathematics

OR Yr 10 Advanced Mathematics

Co-requisites: None

Exclusions: Not to count with MATH151.

Subject Description: The subject covers the main topics which are taught in mathematics years 11 and 12 at school. The chosen topics are specifically those taken as assumed knowledge in the subjects MATH141 and MATH187. The general topic areas are: algebra, trigonometry, coordinate geometry, functions and calculus. The focus is on developing mathematical skills and improving competence and confidence in the language and terms of mathematics. Where possible the work will be related to potential engineering applications.

MATH110 Advanced Mathematics 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: HSC Mathematics Ext 2

Co-requisites: None

Subject Description: Several areas of maths: Algebra (involves solving systems of equation using matrix methods, determinants and applications); Vector geometry (involves the idea of vectors and applications to geometry) Polar coordinates; Calculus (involves solution techniques for first and second order differential equations).

MATH111 Applied Mathematical Modelling 1

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Either a mark of at least 80 in MATH151 OR (in the NSW HSC Examination) Mathematics Band 4; or Mathematics Ext 1.

Co-requisites: MATH188 or MATH142 or MATH162 or MATH110

Subject Description: Emphasises the physical, mathematical, numerical and computational aspects of the modern usage of Applied Mathematics in Science, Engineering and Industry. It is strongly recommended for the students who are majoring in Industrial and Applied Mathematics. Real-world problems are tackled as idealised mathematical systems, the mathematical problem is solved and the results interpreted.

MATH121 Discrete Mathematics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Either a mark of at least 80 in MATH151 OR (in the NSW HSC Examination) Mathematics Band 4; or Mathematics Ext 1.

Co-requisites: None

Subject Description: Students will be introduced to the spirit of mathematical inquiry and critical analysis, and encouraged to develop the ability to apply mathematical principles to the formulation and solution of problems.

This is done through the use of non-calculus techniques, especially those of logic and number theory. This subject is well suited to computer science students.

MATH141 Mathematics 1C Part 1

Autumn Loftus On Campus
Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Either a mark of at least 65 in MATH151 OR in NSW HSC Examination: Mathematics - Band 2 or better.

Co-requisites: None

Exclusions: MATH101, MATH141, MATH161 and MATH187 are not to count together.

Subject Description: MATH141 is an alternative core subject for candidates whose HSC mathematics background is weaker than that required for MATH187. The aim of this subject is to develop ideas, concepts and skills in mathematics, especially applied skills, for application in later subjects. Main topics covered are matrix algebra, determinants, vectors, and differential and integral calculus.

MATH142 Mathematics 1C Part 2

Spring Loftus On Campus
Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Either MATH141 or MATH161 OR a mark in the range 45 to 54 in MATH187

Co-requisites: None

Exclusions: MATH101, MATH142, MATH162 and MATH188 are not to count together.

Subject Description: MATH142 is a core subject continuing on from MATH141. The aim of this subject is to develop ideas, concepts and skills, especially applied skills, in mathematics for application in later subjects. Main topics covered are further calculus, differential equations, numerical mathematics, sequences and series of numbers and complex numbers. Students who do sufficiently well in MATH142 may proceed to relevant 200 level mathematics subjects.

MATH151 General Mathematics 1A

Autumn Wollongong On Campus
Summer 2007/2008 Wollongong On Campus
Autumn Loftus On Campus

Credit Points: 6

Pre-requisites: NSW HSC Examination: any mathematics- but enrolment is not permitted if the student achieved Mathematics Band 4 or better, or completed Mathematics Ext 1 or Ext 2.

Co-requisites: None

Exclusions: Not to count with any one of MATH101, MATH141, MATH142, MATH187, or MATH188 unless satisfactorily completed prior to satisfactory completion of any of MATH101, MATH141, MATH142, MATH187, or MATH188 respectively.

Subject Description: MATH151 is intended for candidates registered for courses in the Faculty of Science who do not meet the pre-requisite for the subject MATH187. It introduces topics in algebra, trigonometry, co-ordinate geometry, vectors, functions, and calculus. The material is presented in a self-contained manner with a view to further applications in Science subjects.

MATH161 Mathematics 1E Part 1

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Either: NSW HSC

Mathematics - no minimum mark restriction, OR a mark of at least 65 in MATH151.

Co-requisites: None

Exclusions: Not to count with MATH101, MATH141, MATH143, MATH144, MATH187.

Subject Description: The content of MATH161 involves several areas of Mathematics. These areas are: Calculus which includes real functions, and an introduction to differentiation and integration; Polar co-ordinates; Algebra, which includes solving systems of equations using matrix methods, determinants and applications; and Vector Geometry, which involves vectors and their applications to geometry.

MATH162 Mathematics 1E Part 2

Summer 2007/2008 Wollongong On Campus

Credit Points: 6

Pre-requisites: Either MATH161 or MATH141 or MATH187

Co-requisites: None

Exclusions: Not to count with MATH101, MATH142, MATH143, MATH144, MATH188.

Subject Description: The content of MATH162 involves several areas of Mathematics. These areas are: Calculus, which includes further integration, applications of integration, and first and second order differential equations; Complex Numbers; Further Calculus, which includes an elementary introduction to sequences and series and their convergence.

MATH187 Mathematics 1A Part 1

Autumn Loftus On Campus
Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Either a mark of at least 80 in MATH151 OR (in the NSW HSC Examination) Mathematics Band 4; or Mathematics Ext 1.

Co-requisites: None

Exclusions: MATH101, MATH141, MATH161 and MATH187 are not to count together.

Subject Description: The pair of subjects MATH187 and MATH188 make up the core for 100 level subjects. They are needed for most 200 level subjects in Mathematics and Applied Statistics. Students not wishing to proceed to 200 level mathematics may just study MATH187. MATH187 is available to students in all disciplines. This subject aims to develop ideas, concepts and skills in mathematics for application in subjects that require MATH187 as a co- or pre-requisite. Main topics are matrix algebra, determinants, vectors, and differential and integral calculus.

MATH188 Mathematics 1A Part 2

Spring Loftus On Campus
Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: Either MATH187 OR a mark of at least 65 in MATH141 or MATH161

Co-requisites: None

Exclusions: MATH101, MATH142, MATH162 and MATH188 are not to count together.

Subject Description: MATH188 is a core subject

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	continuing on from MATH187. The aim of this subject is to develop ideas, concepts and skills in mathematics for application in later subjects. Main topics covered are further calculus, differential equations, sequences and series of numbers, numerical mathematics and complex numbers. This subject is required for most 200 level Mathematics and Applied Statistics subjects.		
Commerce	MATH201 Multivariate and Vector Calculus Autumn Wollongong On Campus Autumn Loftus On Campus Credit Points: 6 Pre-requisites: One of MATH101 or MATH188 or MATH283 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A. Co-requisites: None Subject Description: MATH201 is one of four core 200 level Mathematics subjects and is a prerequisite for many 300 level subjects in Mathematics and Statistics. This subject extends the calculus of one variable to the calculus of more than one variable. Applications are given to maxima and minima, multiple integrals, vector calculus, line, surface and volume integrals, and to geometrical problems.		
Creative Arts			
Education	MATH202 Differential Equations 2 Spring Wollongong On Campus Spring Loftus On Campus Credit Points: 6 Pre-requisites: One of MATH101 or MATH188 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A. Co-requisites: MATH201 Exclusions: MATH283 Subject Description: MATH202 is one of four core 200 level Mathematics subjects. This subject introduces the student to various special functions and differential equations and to techniques (both analytic and numerical) for their solution. Topics covered include exact first order equations, Gamma, Beta and Error functions, Laplace transforms, Fourier series, separation of variables for pde's, basic numerical techniques, computer packages, and comparative accuracy of numerical techniques.		
Engineering			
Health & Behavioural Sciences			
Informatics	MATH203 Linear Algebra Autumn Wollongong On Campus Autumn Loftus On Campus Credit Points: 6 Pre-requisites: One of MATH101 or MATH188 or MATH283 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A. Co-requisites: None Subject Description: MATH203 is one of four core 200 level Mathematics subjects. The study of systems of linear equations is important not only to mathematicians but also to scientists and engineers. Study of these systems is done both theoretically and numerically with geometrical interpretations given. It aims to build on students' knowledge of matrix algebra and vector analysis.		
Law			
Science	MATH204 Complex Variables and Group Theory Spring Wollongong On Campus Spring Loftus On Campus Credit Points: 6		

Pre-requisites: One of MATH101 or MATH188 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.

Co-requisites: MATH201

Subject Description: MATH204 is one of four core 200 level Mathematics subjects. It is of substantial value to science and other students. The study of Complex Variables extends the calculus of functions of a real variable to functions of a complex variable. Group Theory studies basic algebraic properties common to many mathematical systems and is currently applied in the areas of physics, geology and computer science.

MATH212 Applied Mathematical Modelling 2

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: One of MATH101 or MATH188 or MATH283 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.

Co-requisites: None

Subject Description: MATH212 is a subject in the applied mathematics strand. The subject provides insight into the process of Applied Mathematical Modelling in two important areas, heat transfer and Newtonian mechanics, though the modelling skills will be transferable to other areas. The main mathematical technique used is that of solving ordinary differential equations.

MATH222 Continuous and Finite Mathematics

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: One of MATH101 or MATH188 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.

Co-requisites: MATH201

Subject Description: MATH222 is for students who wish to continue in the mathematical analysis strand. Continuous Mathematics is concerned with the continuation of concepts introduced in first year calculus, including those of convergent sequence, continuous function and the integral of a function. Finite Mathematics is strictly independent of earlier work, but is related to first year algebra.

MATH235 Mathematics Project A

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 credit points at 100 level including MATH110

Co-requisites: None

Subject Description: The subject is a project individually chosen for the student, at a level appropriate to the 200 classification. The content may consist of (1) a placement in business or industry where substantial use is made of mathematical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a mathematical package or language, with specific use of the package or language in some application or area of mathematics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would

be a part. Other projects which are appropriate but not primarily in one of these single categories may occur, such as a project combining features of (1) and (2).

MATH250 Mathematics Project 1

Autumn Loftus On Campus

Credit Points: 6

Pre-requisites: MATH188

Co-requisites: None

Subject Description: MATH250 is a project based subject. The projects will be chosen year by year and will be based on staff availability and student interest. The projects will be chosen for the students at a level that is appropriate to the 200 level classification. The content may consist of projects in a variety of areas related to pure, applied or methods mathematics with a mastery of a mathematical package or language. This will include both written and oral presentation to reflect the emphasis on the teaching of mathematics within the BMathEd degree program.

MATH253 Linear Algebra

Autumn Wollongong On Campus

Credit Points: 4

Pre-requisites: MATH188 or a mark of at least 65 in either MATH142 or MATH162

Co-requisites: None

Exclusions: MATH203

Subject Description: MATH253 is 2/3 of the subject MATH203. The aim of MATH253 is to build on students' knowledge of matrix algebra and vector analysis, and provide a strong foundation in the mathematics of linear algebra, with an appreciation of the applications that motivate it. The study of systems of linear equations is important not only to mathematicians but also to scientists and engineers. MATH253 will include study of these systems with geometrical interpretations being given. It includes vector spaces, subspaces, linear dependence, basis, dimension and inner product spaces. This will be followed by eigenvalues and eigenvectors and their central role to the diagonalization of matrices. Linear transformations and their basic properties will be discussed.

MATH270 Special Topics in Mathematics 2

Not on offer in 2007

Credit Points: 6

Pre-requisites: MATH188 or MATH142

Co-requisites: None

MATH283 Mathematics IIE for Engineers Part 1

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: One of MATH101 or MATH142 or MATH144 or MATH162 or MATH188

Co-requisites: None

Exclusions: Not to count with MATH202 or MATH261 or MATH281.

Subject Description: MATH283 is a subject for Bachelor of Engineering students. The subject consists of two topics, Differential Equations and Statistics. Each topic is worth 50% of the final mark. Differential Equations deals with new techniques, including the Laplace transform, Fourier series, and special functions (the gamma, beta and error functions). Statistics gives

an introduction to statistical computing, and to basic statistical techniques, including mathematical models for describing variation in experimental situations.

MATH291 Differential Equations

Spring Wollongong On Campus

Credit Points: 3

Pre-requisites: MATH188 or a mark of at least 65 in MATH142 or MATH162.

Co-requisites: MATH201

Exclusions: Not to count with MATH202.

Subject Description: Linear second and higher order differential equations, solution of differential equations by Laplace transform methods. Fourier series, and some special functions (gamma, beta and error functions) will be introduced, together with an introductory solution method to boundary value problems (separation of variables).

MATH292 Numerical Analysis

Spring Wollongong On Campus

Credit Points: 3

Pre-requisites: MATH188 or a mark of at least 65 in either MATH142 or MATH162.

Co-requisites: None

Exclusions: MATH202

Subject Description: Basic numerical techniques for the solutions of differential equations, with application of computer packages, will also be covered. Students will also be expected to assess the comparative accuracy of these techniques.

MATH293 Complex Variables

Spring Wollongong On Campus

Credit Points: 4

Pre-requisites: MATH188 or a mark of at least 65 in MATH142 or MATH162.

Co-requisites: MATH201

Exclusions: Not to count with MATH204.

Subject Description: Complex functions, power series, analytic functions, Laurent series, singularities, residues, contour integration, Cauchy's theorem, Residue theorem and applications, conformal transformations.

MATH294 Group Theory

Spring Wollongong On Campus

Credit Points: 2

Pre-requisites: MATH188 or a mark of at least 65 in MATH142 or MATH162.

Co-requisites: None

Exclusions: MATH204

Subject Description: Group Theory consists of a careful study of the fundamental properties of groups using the following concepts: order, finite groups, subgroups, cosets, group homomorphisms and group isomorphisms. This study leads to an important result in Group Theory called Lagrange's theorem.

MATH302 Differential Equations 3

Autumn Wollongong On Campus

Autumn Loftus On Campus

Credit Points: 6

Pre-requisites: MATH283 or MATH202

Co-requisites: None

Subject Description: Many physical problems in the world are modelled with differential equations. This

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>subject extends the knowledge of the student to various types of equations and to their solution. Techniques used widely in many areas of physical science are developed in this subject. Topics include Laplace and Fourier transforms, series solutions, and Hypergeometric and Bessel functions.</p> <hr/> <p>MATH305 Partial Differential Equations Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MATH201 and MATH202 and MATH203 Co-requisites: None Subject Description: MATH305 is in a central area of mathematics, as many physical problems in the world are modelled with partial differential equations. Various types of equations and their solutions are discussed. As many equations cannot be solved in analytical form, numerical methods of solution also are considered. The aim is to develop high level mathematical ability and problem solving skills.</p> <hr/> <p>MATH312 Applied Mathematical Modelling 3 Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MATH202 or (MATH283 and ENGG252) Co-requisites: None Subject Description: MATH312 builds on work and knowledge originating in MATH111 and MATH212 and shows how to undertake mathematical modelling of many scientific and engineering processes and problems arising in industry. Main foci are: continuum mechanics, including deformation of materials; linear elasticity, including basic concepts of the stress-strain relation; and fluid mechanics.</p> <hr/> <p>MATH313 Industrial Mathematical Modelling <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: MATH202 or (MATH283 and MECH343) Co-requisites: None Subject Description: MATH313 is designed to develop mathematical modelling skills by the examination of case studies relevant to industry. The basic equations are derived from first principles and used to study the transfer of mass and heat, diffusion, solidification and combustion. In addition, the subject aims to improve oral presentation skills by making tutorial participation an assessable component of the subject.</p> <hr/> <p>MATH317 Financial Calculus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MATH202 and either STAT131 or STAT231 Co-requisites: None Subject Description: This subject introduces the financial calculus and the mathematical and statistical modelling necessary for solving practical problems in three fundamental aspects of financial markets (i) financial assets pricing (ii) financial derivatives pricing and (iii) risk management. The course brings together arbitrage principles, stochastic models of stock prices and interest rates, Ito's Lemma and analytical and numerical techniques for solving partial differential</p>
Commerce	<p>equations, to derive, solve and extend models for the valuation and hedging of a variety of vanilla and exotic options and interest-rate products.</p> <hr/> <p>MATH321 Numerical Analysis Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MATH202 and MATH203 Co-requisites: None Exclusions: MATH311 Subject Description: MATH321 is designed to extend the ideas developed in MATH202 and MATH203 as to how numerical and computational mathematics can be used to solve problems that have no analytic solution. The foci are problems in linear algebra and applications to real world problems. Specific techniques include algorithms for calculating eigenvalues and eigenvectors of a matrix.</p> <hr/> <p>MATH322 Algebra <i>Not on offer in 2007</i> Credit Points: 6 Pre-requisites: Either MATH204 or MATH222 Co-requisites: None Subject Description: MATH322 has been designed to develop clear and critical understanding, problem-solving skills and a capacity for rigorous argument. It builds on the group theory section of MATH204, and to a lesser extent upon the finite mathematics section of MATH222. An aim is to develop an appreciation of some of the concepts of modern algebra, including the work leading to the classification of finite simple groups completed around 1980.</p> <hr/> <p>MATH323 Topology and Chaos Spring Wollongong On Campus Credit Points: 6 Pre-requisites: MATH222 Co-requisites: None Subject Description: MATH323 aims to develop critical understanding and problem-solving skills in the context of topology and chaos theory. It is intended to convey some of the impact of chaos theory in other areas and encourage interest of the student in phenomena such as the Koch curve. Some concepts discussed are notions of distance, dynamical systems, fractals and the Mandelbrot set.</p> <hr/> <p>MATH325 Wavelets Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: MATH201 and MATH203; MATH222 is desirable but not essential. Co-requisites: None Subject Description: The theory of wavelets is a branch of mathematical analysis which has developed rapidly over the last 15 years. Wavelets are widely and increasingly important in applications, and at the same time their study permits an accessible introduction to some of the key ideas of modern mathematical analysis. Major topics covered include inner product spaces and the notion of convergence in inner product spaces, Hilbert spaces and Fourier series in Hilbert spaces, the Haar wavelet, and techniques for the construction and analysis of wavelets in general.</p>
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

MATH345 Mathematics Project B

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** 24 credit points at 200 level**Co-requisites:** None

Subject Description: The subject is a project individually chosen for the student, at a level appropriate to the 300 classification. The content may consist of (1) a placement in business or industry where substantial use is made of mathematical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a mathematical package or language, with specific use of the package or language in some application or area of mathematics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would be a part. Other projects which are appropriate but not primarily in one of these single categories may occur, such as a project combining features of (1) and (2).

MATH350 Mathematics Project 2

Spring Loftus On Campus

Credit Points: 6**Pre-requisites:** 24 credit points of mathematics at 200 level**Co-requisites:** None

Subject Description: MATH350 is a project based subject. The projects will be chosen year by year and will be based on staff availability and student interest. The projects will be chosen for the students at a level that is appropriate to the 300 level classification. The content may consist of projects in a variety of areas related to pure, applied or methods mathematics with a mastery of a mathematical package or language. This will include both written and oral presentation to reflect the emphasis on the teaching of mathematics within the BMathEd degree program.

MATH371 Special Topics in Industrial and Applied Mathematics 3*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** None**Co-requisites:** None

Subject Description: Entry to this subject is at the discretion of the Head of the School of Mathematics and Applied Statistics. This subject may not be offered in any particular year. MATH371 is one of a number of elective subjects available to students enrolled in the degree courses offered by the School. The aim of this subject is to provide students with specialist applied mathematical skills. Topics will be selected from the areas of interest of staff members of the School or visiting staff members.

MATH372 Special Topics in Mathematical Analysis 3*Not on offer in 2007***Credit Points:** 6**Pre-requisites:** At discretion of Head of School**Co-requisites:** None

Subject Description: Entry to this subject is at the discretion of the Head of the School of Mathematics and

Applied Statistics. This subject may not be offered in any particular year. MATH372 is one of a number of elective subjects available to students enrolled in the degree courses offered by the School. The aim of the subject is to provide students with advanced mathematical concepts and skills. Topics will be selected from the areas of interest of staff members of the School or visiting staff members.

MATH401 Mathematics 4 (Honours)

Annual Wollongong On Campus

Spring2007/Autumn2008 Wollongong On Campus

Credit Points: 48**Pre-requisites:** At discretion of Head of School**Co-requisites:** None

Subject Description: A candidate must select 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 4 topics in one session, 3 in the other. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

MATH402 Mathematics 4 (Honours)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24**Pre-requisites:** At discretion of Head of School**Co-requisites:** None

Exclusions: MATH401

Subject Description: A student must complete 48 cp to be eligible for the award of Honours. A candidate must select 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 4 topics in one session, 3 in the other. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

MATH403 Mathematics 4 (Honours) part-time

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12**Pre-requisites:** At discretion of Head of School**Co-requisites:** None

Exclusions: MATH401

Subject Description: A student must enrol in this subject for 2 consecutive years, completing a total of 48 cp to be eligible for the award of Honours. A candidate must select a total of 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 2 topics in

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	each of three sessions and 1 in the fourth session. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.		
Commerce	MATH409 Mathematics Advanced (Honours) Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 24 Pre-requisites: At discretion of Head of School Co-requisites: None Subject Description: A student must complete 48 cp to be eligible for the award of Honours. This subject is made up of a research project (37.5%) and coursework (62.5%). Five coursework topics must be chosen, normally comprising four 400-level subjects from those on offer in the School of Mathematics & Applied Statistics. One 300-level subject may be taken as a 400 level subject however, approval from the Honours Coordinator is needed. The coursework topics chosen will be subject to approval from the Honours Coordinator. A candidate will complete a substantial research project in an area of interest under the close supervision of one or more members of staff of the School.		
Creative Arts			
Education			
Engineering	MATH410 Mathematics Advanced (Honours) part-time Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 12 Pre-requisites: At discretion of Head of School Co-requisites: None Subject Description: A student must enrol in this subject for 2 consecutive years, completing a total of 48 cp to be eligible for the award of Honours. Honours is made up of a research project (37.5%) and coursework (62.5%). Five coursework topics must be chosen, normally comprising four 400-level subjects from those on offer in the School of Mathematics & Applied Statistics. One 300-level subject may be taken as a 400 level subject however, approval from the Honours Coordinator is needed. The coursework topics chosen will be subject to approval from the Honours Coordinator. A candidate will complete a substantial research project in an area of interest under the close supervision of one or more members of staff of the School.		
Health & Behavioural Sciences			
Informatics			
Law	MATH471 Honours Topics in Mathematics A Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: Subject to approval of Head of School Co-requisites: None Subject Description: MATH471 and MATH472 are offered to BMathEcon and BMathFin candidates. The aim of each of these subjects is to provide students with mathematical skills which can be used effectively in the relevant discipline. Students may be required to present some part of the course to the rest of the class, in a working seminar. The content is a topic from those offered in a particular year at 400-level within the subject MATH401, and which may vary from year to year.		
Science			

MATH472 Honours Topics in Mathematics B

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: At discretion of Head of School

Co-requisites: None

Subject Description: MATH471 and MATH472

are offered to BMathEcon and BMathFin candidates.

The aim of each of these subjects is to provide students with mathematical skills which can be used effectively in the relevant discipline. Students may be required to present some part of the course to the rest of the class, in a working seminar. The content is a topic from those offered in a particular year at 400-level within the subject MATH401, and which may vary from year to year.

PSYC354 Design and Analysis

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 is a specified pre-reqs b) from 2003-2006, PSYC231,241,234,236 & 247 & 248, c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232

Co-requisites: None

Subject Description: PSYC354 develops skills in the design and analysis of research investigations involving statistics. It is a pre-requisite for PSYC499. Statistical computing is an essential part of the course. Topics covered: statistical techniques in psychological research, experimental and observational research designs, analysis of survey data; analysis of variance and covariance; regression; factor analysis; multivariate analysis.

STAT131 Understanding Variation and Uncertainty

Autumn Wollongong On Campus

Spring Wollongong On Campus

Autumn Loftus On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Variation and uncertainty occur in most aspects of life. Topics covered include Displaying variation and summarising data; Statistical computing and report writing; Probability Models: Markov Chains, binomial, Poisson; Modelling Uncertainty: Normal and other continuous distributions; Sampling Distributions - Central Limit Theorem; Inference - Point and Interval Estimation, Hypothesis Testing.

STAT151 Introduction to the Concepts and Practice of Statistics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with STAT131 or STAT252

Subject Description: STAT151 enables students to understand the statistical content of articles in their own discipline. Includes exploratory data analysis; samples and populations; elementary probability; the Normal, binomial

and Poisson distributions; estimation and confidence intervals; hypothesis testing for means, proportions and regression analysis; sensitivity and specificity.

STAT231 Probability and Random Variables

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH188 or a mark of at least 65 in either MATH142 or MATH162; or enrolment in course code 762A.,

Co-requisites: None

Exclusions: STAT291

Subject Description: STAT231 applies statistical tools to the modelling and analysis of random experiments. Includes graphical and numerical data presentation; statistical computing; discrete random variables (binomial, geometric, hypergeometric and Poisson) and continuous random variables (uniform, Normal and gamma); expected values; transformations; moment generating functions; multivariate distributions; the Poisson process.

STAT232 Estimation and Hypothesis Testing

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: STAT231

Co-requisites: None

Subject Description: STAT232 develops techniques of statistical inference and statistical analysis. The inference techniques are sampling distributions (such as chi-squared, t and F distributions), methods and criteria of estimation, and hypothesis testing. The analysis techniques are nonparametric testing (such as the sign, median and Wilcoxon tests), simple linear regression and one and two-way analysis of variance.

STAT235 Statistics Project A

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 24 credit points at 100 level including MATH110

Co-requisites: None

Subject Description: The subject is a project individually chosen for the student, at a level appropriate to the 200 classification. The content may consist of (1) a placement in business or industry where substantial use is made of statistical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a statistical package or language, with specific use of the package or language in some application or area of statistics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would be a part. Other projects which are appropriate but not primarily in one of these single categories may occur, such as a project combining features of (1) and (2) above.

STAT252 Statistics For the Natural Sciences

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with STAT131 or STAT151 or STAT231 or STAT232 or PSYC232

Subject Description: STAT252 provides an introduction to statistical techniques. Topics covered are: data presentation; probability, binomial and Poisson distributions; Normal distribution; inference for single samples; comparison of two samples; analysis of variance and multiple comparisons; linear regression and correlation; goodness-of-fit testing and contingency tables.

STAT291 Engineering Statistics

Autumn Wollongong On Campus

Credit Points: 3

Pre-requisites: MATH142 or MATH188 or MATH162

Co-requisites: None

Exclusions: Not to count with STAT231.

Subject Description: (Part of MATH283) In this topic, methods of collecting and summarising data are discussed. Statistical inference methods concerning population means, proportions and variances are given. Linear and multiple regression methods are used to develop mathematical relationships among variables and to predict variables of interest. Some basic advantages of using experimental planning are discussed. Latin square and randomised block experimental designs are discussed. Students will be introduced to a major statistical package.

STAT304 Applied Probability and Financial Risk

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH203 and either STAT131 or STAT231

Co-requisites: None

Exclusions: STAT923

Subject Description: This subject develops the stochastic models required for decision making under uncertainty in finance, economics and actuarial statistics. Stochastic models include processes in both discrete time (random walk, Markov chains) and continuous time (birth and death processes, Gaussian processes). The applications focus on the measurement, management and control of risk and its consequences. Particular topics include gambler's ruin, log-normal price models, Value at Risk (VaR) measures and Markowitz portfolio selection.

STAT332 Multiple Regression and Time Series

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: STAT232

Co-requisites: None

Subject Description: STAT332 is an advanced course covering relationships between variables and the analysis of observational studies and designed experiments. Topics covered include multiple linear regression, non-linear regression, generalised linear regression, ARIMA models, forecasting of time series and Box-Jenkin's approach.

STAT333 Statistical Inference and Multivariate Analysis

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: STAT232

Co-requisites: None

Subject Description: STAT333 covers inference

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
Informatics	
Law	
Science	

Arts	(estimation and hypothesis testing) in both one and many dimensions. Topics covered include transformations, maximum likelihood and minimum variance unbiased estimation, the likelihood ratio, score and Wald tests, vector random variables, the multivariate Normal distribution, principal components analysis, factor analysis and discriminant analysis.
Commerce	STAT335 Sample Surveys and Experimental Design Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: STAT232 or STAT252 at Credit level or better, or STAT151 at Credit level or better, or PSYC232 at Credit level or better, or ECON121 at Credit or better, or (STAT131 & STAT231 both at Credit or better) Co-requisites: None Subject Description: STAT335 develops skills in designing and analysing statistical investigations. Statistical computing is an essential part of the course. Topics covered: Experimental designs (completely randomised, randomised complete block, Latin Square, factorial); the analysis of the data arising from these designs; steps in conducting a sample survey; methods such as simple random sampling and stratified sampling, number raised and ratio estimation.
Creative Arts	
Education	STAT345 Statistics Project B Autumn Wollongong On Campus Spring Wollongong On Campus Credit Points: 6 Pre-requisites: 24 credit points at 200 level Co-requisites: None Subject Description: The subject is a project individually chosen for the student, at a level appropriate to the 300 classification. The content may consist of (1) a placement in business or industry where substantial use is made of statistical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a statistical package or language, with specific use of the package or language in some application or area of statistics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would be a part. Other projects which are appropriate but not primarily in one of these single categories may occur, such as a project combining features of (1) and (2) above.
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	STAT355 Sample Surveys and Experimental Design (with Project) Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: STAT232 or STAT252 at Credit level or better, or STAT151 at Credit level or better, or PSYC232 at Credit level or better, or ECON121 at Credit or better, or (STAT131 & STAT231 both at Credit or better) Co-requisites: None Exclusions: STAT335 Subject Description: STAT355 develops skills in designing and analysing statistical investigations. Statistical computing is an essential part of the course. Topics covered: Experimental designs: completely randomised, randomised complete block, Latin
Science	

Square, factorial; the analysis of the data arising from these designs. Steps in conducting a sample survey; methods such as simple random sampling and stratified sampling, number raised and ratio estimation.

STAT373 Special Topics in Probability and Statistics 3

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Entry to this subject is at the discretion of the Head of the School of Mathematics and Applied Statistics. This subject may not be offered in any particular year.

Co-requisites: None

Subject Description: STAT373 will be available at the discretion of the head of the School. Topics will be selected from areas of expertise of visiting staff members, or from other subjects offered by the School of Mathematics and Applied Statistics.

STAT401 Statistics 4 (Honours)

Annual Wollongong On Campus

Spring2007/Autumn2008 Wollongong On Campus

Credit Points: 48

Pre-requisites: At least 36 cp of maths 300 level subjects, and the approval of the Head of School.

Co-requisites: None

Subject Description: The subject consists of two components, one being coursework, the other a project. Coursework Requirements: A candidate must select seven topics from those on offer at the 400 level in Statistics and Mathematics to satisfy the requirements of this part of the course. The topics are usually sessional, and a candidate will normally take four topics in one session and three in the other. With the approval of the Head of the School, up to two of these topics may be replaced by 300 level Statistics and Mathematics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies.

STAT402 Statistics 4 (Honours)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: At discretion of Head of School

Co-requisites: None

Exclusions: STAT401

Subject Description: A student must complete 48 cp to be eligible for the award of Honours. A candidate must select 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 4 topics in one session, 3 in the other. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

STAT403 Statistics 4 (Honours) part-time

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: At discretion of Head of School

Co-requisites: None

Exclusions: STAT401

Subject Description: A student must enrol in this subject for 2 consecutive years, completing a total of 48 cp to be eligible for the award of Honours. A candidate must select a total of 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 2 topics in each of three sessions and 1 in the fourth session. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

STAT409 Statistics Advanced (Honours)

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 24

Pre-requisites: At discretion of Head of School

Co-requisites: None

Subject Description: A student must complete 48 cp to be eligible for the award of Honours. This subject is made up of a research project (37.5%) and coursework (62.5%). Five coursework topics must be chosen, normally comprising four 400-level subjects from those on offer in the School of Mathematics & Applied Statistics. One 300-level subject may be taken as a 400 level subject however, approval from the Honours Coordinator is needed. The coursework topics chosen will be subject to approval from the Honours Coordinator. A candidate will complete a substantial research project in an area of interest under the close supervision of one or more members of staff of the School.

STAT410 Statistics Advanced (Honours) part-time

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 12

Pre-requisites: At discretion of Head of School

Co-requisites: None

Subject Description: A student must enrol in this subject for 2 consecutive years, completing a total of 48 cp to be eligible for the award of Honours. Honours is made up of a research project (37.5%) and coursework (62.5%). Five coursework topics must be chosen, normally comprising four 400-level subjects from those on offer in the School of Mathematics & Applied Statistics. One 300-level subject may be taken as a 400 level subject however, approval from the Honours Coordinator is needed. The coursework topics chosen will be subject to approval from the Honours Coordinator. A candidate will complete a substantial research project in an area of interest under the close supervision of one or more members of staff of the School.

STAT471 Honours Topics in Statistics A

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH188

Co-requisites: None

Subject Description: STAT471, STAT472, STAT473 and STAT474 are only offered to BMathFin and BMathEcon candidates. Students will acquire statistical skills which can be used effectively in scientific work. The content is a topic from those offered in a particular year at 400-level within the subject STAT401, and which may vary from year to year.

STAT472 Honours Topics in Statistics B

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH188

Co-requisites: None

Subject Description: STAT471, STAT472, STAT473 and STAT474 are only offered to BMathFin and BMathEcon candidates. Students will acquire statistical skills which can be used effectively in scientific work. The content is a topic from those offered in a particular year at 400-level within the subject STAT401, and which may vary from year to year.

STAT473 Honours Topics in Statistics C

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH188

Co-requisites: None

Subject Description: STAT471, STAT472, STAT473 and STAT474 are only offered to BMathFin and BMathEcon candidates. Students will acquire statistical skills which can be used effectively in scientific work. The content is a topic from those offered in a particular year at 400-level within the subject STAT401, and which may vary from year to year.

STAT474 Honours Topics in Statistics D

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: MATH188

Co-requisites: None

Subject Description: STAT471, STAT472, STAT473 and STAT474 are only offered to BMathFin and BMathEcon candidates. Students will acquire statistical skills which can be used effectively in scientific work. The content is a topic from those offered in a particular year at 400-level within the subject STAT401, and which may vary from year to year.

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Faculty of Law

Degrees Offered

Single Degrees

Bachelor of Laws (Graduate Entry)

Bachelor of Laws (Direct Entry)

Bachelor of Laws – Graduate Diploma in Legal Practice

Bachelor of Laws – Honours by Research

Double Degrees

Bachelor of Arts – Bachelor of Laws

Bachelor of Communication and Media Studies – Bachelor of Laws

Bachelor of Commerce – Bachelor of Laws

Bachelor of Computer Science – Bachelor of Laws

Bachelor of Creative Arts – Bachelor of Laws

Bachelor of Engineering – Bachelor of Laws

Bachelor of Information and Communication Technology – Bachelor of Laws

Bachelor of Journalism – Bachelor of Laws

Bachelor of Mathematics – Bachelor of Laws

Bachelor of Medical Science – Bachelor of Laws

Bachelor of Science – Bachelor of Laws

For tuition fee information please see the following:

Domestic – www.uow.edu.au/student/finances/studentcontributions.html

International – www.uow.edu.au/prospective/international/fees/

This publication contains information, which is current at December 2006. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Laws (Graduate Entry)

Testamur Title of Degree:	Bachelor of Laws
Abbreviation:	LLB
Home Faculty:	Faculty of Law
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	180
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	770
UAC Code:	756101
CRICOS Code:	004339G

Overview

This degree program is available only to graduates of other disciplines and consists entirely of Law subjects with a narrower range of elective options. The Faculty aims to provide a legal education which: equips students with a critical and questioning attitude; offers a broad perspective; and provides the foundation for a career in an extensive range of legal work.

Entry Requirements / Assumed Knowledge

To be eligible to apply for the Bachelor of Laws (Graduate Entry), applicants must hold a Bachelor's degree from an approved university. Applications for the Bachelor of Laws (Graduate Entry) will be assessed on academic performance.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/course/rules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Laws (Graduate Entry) must complete the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8

Second Year

LLB220	Property and Trusts A	Autumn	8
LLB230	Public Law A	Autumn	8
LLB240	Law of Torts	Autumn	8
LLB260	Dispute Management Skills	Autumn	2
LLB270	Property and Trusts B	Spring	8
LLB280	Public Law B	Spring	8
LLB290	Legal Theory	Spring	8
LLB250	Drafting Skills	Spring	2

Third Year

LLB300	Remedies and Procedure	Autumn	8
LLB310	Law of Business Organisations	Autumn	8
2 LLB Electives		Autumn	16
LLB301	Evidence	Spring	8
2 LLB Electives		Spring	16
1 LLB Elective or LLB396	Advanced Legal Skills	Spring	8

Elective Law Schedule

Subject	Session	Credit Points
LLB303	Family, Children and Welfare	Autumn 8
LLB313	Legal Research Project A	Autumn/Spring 8
LLB316	Occupational Health and Safety Law	Autumn 8
LLB317	E-Commerce Law	Spring 8
LLB320	Commercial and Consumer Contracts	Autumn 8
LLB321	Banking Law	Spring 8
LLB322	Objects and Subjects: Law, Things & Everyday Life	Spring 8
LLB330	Law of Employment	Autumn 8
LLB331	Intellectual Property Law	Autumn 8
LLB332	Labour Relations Law	Spring 8
LLB334	Environmental Law	* 8
LLB335	Anti-Discrimination Law	Spring 8
LLB337	Comparative Studies in Law	Spring 8
LLB339	Advanced Criminal Law and Procedure	Autumn 8
LLB341	Revenue Law	Spring 8
LLB343	International Law	Autumn 8
LLB344	Indigenous Peoples and Legal Systems	Spring 8
LLB348	Media Law	Spring 8
LLB350	Special Study in Law A	* 8
LLB351	Special Study in Law B	* 8
LLB352	Jessup International Law Moot	* 8
LLB354	Human Rights Law	Spring 8
LLB355	Bankruptcy and Corporate Insolvency Law and Practice	* 8
LLB356	Insurance Law	* 8
LLB357	Conflict of Laws	Spring 8
LLB358	Marine Resources Law	* 8
LLB359	Corporate Governance	Spring 8
LLB360	Foreign Investment Law in the People's Republic of China	* 8
LLB362	Advanced Revenue Law	Autumn 8
LLB363	Advanced Family Law	Spring 8
LLB364	Islamic Law	* 8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	LLB3911	Introduction to Natural Resources Law	*	8
	LLB3918	Law of Land and Nature Conservation	*	8
	LLB3919	Water Resources Law	*	8
	LLB3920	Local Government Law and the Neighbourhood Environment	*	8
	LLB3922	International Maritime Environmental Law	*	8
Commerce	LLB3923	Law of the Sea	*	8
	LLB3924	International Environmental Law	*	8
	LLB3927	Natural Resources Law Review	Autumn/Spring	8
	LLB3928	Special Studies in Natural Resources Law I	*	8
	LLB3929	Special Studies in Natural Resources Law II	*	8
Creative Arts	LLB396	Advanced Legal Skills	Spring	8
	SOC222	Crime, Criminality and Criminalisation	*	8
	SOC244	Punishment: Purpose, Practice, Policy	*	8
	SOC349	Governing Society, the Self and the Social	*	8
	* Not available in 2007			
Professional Recognition				
Education	On completion of the Bachelor of Laws degree, a student who wishes to practise as a barrister or solicitor must undertake some form of professional practical training, the requirements for which vary between each state and territory of Australia.			
	In New South Wales, a student who intends to qualify for admission to practice as a legal practitioner is required to undertake a practical legal training course accredited by the Legal Practitioners' Admission Board, followed by or incorporating a period of practical experience in a law-related setting. The Faculty of Law has established a Legal Practice Unit and its Practical Legal Training Course has been accredited by the Legal Practitioners' Admissions Board. The course has its foundations in the Wollongong Bachelor of Laws. The course is offered over 20 weeks in a flexible mode integrating training with professional experience.			
Engineering	In some instances the course is also available to final year law students, so that they are qualified for admission to practice as soon as they finish their Bachelor of Laws degree.			
Other Information				
Health & Behavioural Sciences	Students who intend to practise as solicitors after admission should obtain further information about restricted practice and the mandatory continuing legal education requirements from the Law Society of New South Wales. Students who intend to practice as barristers after admission will be required to read with a senior barrister for a period of time and to undertake the Bar Readers' Course before being qualified to take briefs on their own account. Further information is available from the New South Wales Bar Association.			
Bachelor of Laws (Direct Entry)				
Informatics	Testamur Title of Degree:	Bachelor of Laws		
	Abbreviation:	LLB		
	Home Faculty:	Faculty of Law		
	Duration:	4 years full-time or part-time equivalent		
	Total Credit Points:	228		
Law	Delivery Mode:	On-campus		
	Starting Session(s):	Autumn		
	Location:	Wollongong		
	UOW Course Code:	1777		
	UAC Code:	756100		
Science	CRICOS Code:	055107A		
	Overview			
	This degree program consists entirely of Law subjects with a broader range of elective options. It aims to provide a legal education which equips students with a critical and questioning attitude, offers a broad perspective and provides the foundation for a career in an extensive range of legal work.			

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courseules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Laws (Direct Entry) must complete the following:

- all compulsory Law subjects in the sequence set out in the relevant Course Program;
- elective subjects to the value of 88 credit points from the Bachelor of Laws Elective Law Schedule.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8
Second Year		
LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
LLB240 Law of Torts	Autumn	8
LLB260 Dispute Management Skills	Autumn	2
LLB270 Property and Trusts B	Spring	8
LLB280 Public Law B	Spring	8
LLB290 Legal Theory	Spring	8
LLB250 Drafting Skills	Spring	2
Third Year		
LLB300 Remedies and Procedure	Autumn	8
LLB310 Law of Business Organisations	Autumn	8
2 LLB Electives	Autumn	16
LLB301 Evidence	Spring	8
2 LLB Electives	Spring	16
1 LLB Elective or LLB396 Advanced Legal Skills	Spring	8
Fourth Year		
6 LLB Electives	Autumn	48

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Electives

Students must successfully complete elective subjects to the value of 88 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Laws – Graduate Diploma in Legal Practice

Testamur Titles of Degree:	Bachelor of Laws – Graduate Diploma in Legal Practice (a separate testamur is awarded for each degree)
Abbreviation:	LLB-GDLP
Home Faculty:	Faculty of Law
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	252
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1770
UAC Code:	756100
CRICOS Code:	N/A

Overview

This degree program consists entirely of Law subjects with a broader range of elective options. It aims to provide a legal education which equips students with a critical and questioning attitude, offers a broad perspective and provides the foundation for a career in an extensive range of legal work.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Laws – Graduate Diploma in Legal Practice must complete each of the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 64 credit points from the Bachelor of Laws Elective Law Schedule;
- the requirements for the award of Graduate Diploma in Legal Practice.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8

LLB150	Communication Skills	Autumn	2
LLB140	Advocacy Skills	Spring	2
LLB160	Foundations of Law B	Spring	8
LLB170	Law of Contract B	Spring	8
LLB180	Criminal Law and Process B	Spring	8
LLB190	Lawyers and Australian Society	Spring	8
Second Year			
LLB220	Property and Trusts A	Autumn	8
LLB230	Public Law A	Autumn	8
LLB240	Law of Torts	Autumn	8
LLB260	Dispute Management Skills	Autumn	2
LLB270	Property and Trusts B	Spring	8
LLB280	Public Law B	Spring	8
LLB290	Legal Theory	Spring	8
LLB250	Drafting Skills	Spring	2
Third Year			
LLB300	Remedies and Procedure	Autumn	8
LLB310	Law of Business Organisations	Autumn	8
2 LLB Electives		Autumn	16
LLB301	Evidence	Spring	8
2 LLB Electives		Spring	16
1 LLB Elective or LLB396 Advanced Legal Skills		Spring	8
Fourth Year			
3 Electives		Autumn/Spring	24
PLUS			
Graduate Diploma in Legal Practice subjects		Autumn/Spring	48

Electives

Students must successfully complete elective subjects to the value of 64 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Laws – Honours by Research

Testamur Title of Degree:	Bachelor of Laws – Honours by Research
Abbreviation:	LLB (Research Hons)
Home Faculty:	Faculty of Law
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	228
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1771
UAC Code:	756100
CRICOS Code:	055107A

Overview

This degree program consists entirely of Law subjects with a broader range of elective options. The Faculty aims to provide a legal education which equips students with a critical and questioning attitude, offers a broad perspective, and provides the foundation for a career in an extensive range of legal work.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/course/rules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Laws – Honours by Research, must complete the following:

- all compulsory Law subjects in the sequence set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- the subject LLB448 Research Honours in Law.

The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)

First Year

Subjects (by year)	Session	Credit Points
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8

Second Year

LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
LLB240 Law of Torts	Autumn	8
LLB260 Dispute Management Skills	Autumn	2
LLB270 Property and Trusts B	Spring	8
LLB280 Public Law B	Spring	8
LLB290 Legal Theory	Spring	8
LLB250 Drafting Skills	Spring	2

Third Year

LLB300 Remedies and Procedure	Autumn	8
LLB310 Law of Business Organisations	Autumn	8
2 LLB Electives	Autumn	16
LLB301 Evidence	Spring	8
2 LLB Electives	Spring	16
1 LLB Elective or LLB396 Advanced Legal Skills	Spring	8

Fourth Year

LLB448 Research Honours in Law	Autumn and Spring	48
--------------------------------	-------------------	----

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Arts - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Arts - Bachelor of Laws (a separate testamur is awarded for each degree)
Abbreviation:	BA-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	270*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	771
UAC Code:	751201
CRICOS Code:	004340C

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Arts – Bachelor of Laws degree offers a range of choices to those interested in humanities and social sciences and includes modern languages.

For the first two years of the double degree, students enrol substantially in subjects offered by the Faculty of Arts. In the final three years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/course/rules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Arts - Bachelor of Laws must complete each of the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- subjects to the value of at least 90 credit points (not having the prefix LAW), from the Bachelor of Arts Course Program, the Faculty of Health & Behavioural Sciences Course Program or the General Schedule.

Note:

- No more than 48 credit points shall be of 100-level subjects.
- The 90 credit points must include one major study taught by a member unit of the Faculty of Arts (including Aboriginal Studies) OR a major study in Psychology or Population Health.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	To be eligible for the award of Bachelor of Arts – Bachelor of Laws (Joint Honours by Research), a candidate must complete LLB424 Joint Research Honours in Law and Another Discipline, and 24 credit points of the equivalent subject in Arts, in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours)..		
Commerce	To be eligible for the award of Bachelor of Laws (Honours by Research), candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).		
	To be eligible for the award of Honours in Arts, a candidate must undertake a separate one-year full-time or part-time equivalent degree and must make a separate degree application.		
	Course Program		
	Subjects (by year)	Session*	Credit Points
Creative Arts	First Year		
	Subjects from Arts or Health & Behavioural Sciences schedule	Autumn and Spring	
Education	Second Year		
	Subjects from Arts or Health & Behavioural Sciences schedule	Autumn and Spring	
Engineering	Third Year		
	LLB100 Foundations of Law A	Autumn	8
Health & Behavioural Sciences	LLB110 Legal Research and Writing	Autumn	4
	LLB120 Law of Contract A	Autumn	8
Informatics	LLB130 Criminal Law and Process A	Autumn	8
	LLB150 Communication Skills	Autumn	2
Law	LLB140 Advocacy Skills	Spring	2
	LLB160 Foundations of Law B	Spring	8
Science	LLB170 Law of Contracts B	Spring	8
	LLB180 Criminal Law and Process B	Spring	8
	LLB190 Lawyers and Australian Society	Spring	8
	Fourth Year		
	LLB220 Property and Trusts A	Autumn	8
	LLB230 Public Law A	Autumn	8
	LLB240 Law of Torts	Autumn	8
	LLB260 Dispute Management Skills	Autumn	2
	Subjects from Arts or Health & Behavioural Sciences schedule	Autumn	
	LLB270 Property and Trusts B	Spring	8
	LLB280 Public Law B	Spring	8
	LLB290 Legal Theory	Spring	8
	LLB250 Drafting Skills	Spring	2
	Subjects from Arts or Health & Behavioural Sciences schedule	Spring	
	Fifth Year		
	LLB300 Remedies and Procedure	Autumn	8
	LLB310 Law of Business Organisations	Autumn	8
	2 LLB Electives	Autumn	16
	LLB301 Evidence	Spring	8
	2 LLB Electives	Spring	16
	1 LLB Elective or LLB396 Advanced Legal Skills	Spring	8

* Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the course schedules for the Faculty of Arts or Faculty of Health & Behavioural Sciences for majors available in the Bachelor of Arts course. It is intended that students will complete their Bachelor of Arts within the 2nd and 3rd years of this double degree schedule. Some majors eg. Languages and Communication Media Studies, may require an additional subject to be taken in both Autumn and Spring semester of 4th year. It is necessary for students to seek appropriate advice from the Arts Faculty on their options for Majors and subject sequences. This must be done prior to enrolment in their 2nd year of this schedule.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

The subjects SOC222 Crime, Criminality and Criminalisation, SOC244 Punishment: Purpose, Practice, Policy or SOC349 Governing Society, the Self and the Social may be completed as electives for the Bachelor of Laws course. However, the credit points may not be counted towards the Bachelor of Arts component of the double degree if they are being used as electives in Law.

Bachelor of Communication and Media Studies - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Communication and Media Studies – Bachelor of Laws (a separate testamur is awarded for each degree)
Abbreviation:	BCM-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	268*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	760
UAC Code:	751210
CRICOS Code:	049643E

*This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Communication and Media Studies – Bachelor of Laws degree will provide those students interested in media law with an overview of the industry, its practices and policies. It also provides a solid foundation for students interested in politics or government.

For the first three years of the double degree, students enrol substantially in subjects offered by the Faculty of Arts combined with a small number of Law subjects. In the final two years of the degree, students focus on Law subjects.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions.

Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Communication and Media Studies – Bachelor of Laws must complete each of the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	c) all compulsory (core) subjects in the Bachelor of Communication and Media Studies Course Program; d) the required subjects of one of the major studies in the Bachelor of Communication and Media Studies; and e) where necessary, elective subjects (not having the prefix LAW), from the Bachelor of Laws Course Program, the Bachelor of Communication and Media Studies Course Program or the General Schedule, to ensure that at least 84 credit points have been completed. Note: No more than 48 credit points shall be of 100-level subjects.		
Commerce	Honours To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).		
Creative Arts	To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).		
Course Program			
	Subjects (by year)	Session*	Credit Points
Education	First Year		
	Subjects from BCM Schedule	Autumn and Spring	
	Second Year		
	Subjects from BCM Schedule	Autumn and Spring	
Engineering	Third Year		
	LLB100 Foundations of Law A	Autumn	8
	LLB110 Legal Research and Writing	Autumn	4
	LLB120 Law of Contract A	Autumn	8
	LLB130 Criminal Law and Process A	Autumn	8
	LLB150 Communication Skills	Autumn	2
Health & Behavioural Sciences	LLB140 Advocacy Skills	Spring	2
	LLB160 Foundations of Law B	Spring	8
	LLB170 Law of Contracts B	Spring	8
	LLB180 Criminal Law and Process B	Spring	8
	LLB190 Lawyers and Australian Society	Spring	8
	Fourth Year		
Informatics	LLB220 Property and Trusts A	Autumn	8
	LLB230 Public Law A	Autumn	8
	LLB240 Law ofTorts	Autumn	8
	LLB260 Dispute Management Skills	Autumn	2
	Subjects from BCM Schedule if necessary	Autumn	
	LLB270 Property and Trusts B	Spring	8
Law	LLB280 Public Law B	Spring	8
	LLB290 Legal Theory	Spring	8
	LLB250 Drafting Skills	Spring	2
	Subjects from BCM Schedule if necessary	Spring	
	Fifth Year		
	LLB300 Remedies and Procedure	Autumn	8
Science	LLB310 Law of Business Organisations	Autumn	8
	2 LLB Electives	Autumn	16
	LLB301 Evidence	Spring	8
	2 LLB Electives	Spring	16
	1 LLB Elective or LLB396 Advanced Legal Skills	Spring	8

* Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.

NOTE: The structure of the Course Program for the Bachelor of Communication and Media Studies (Journalism Major) may vary slightly – refer to the Faculty of Arts.

Majors

Majors are NOT available in the Bachelor of Laws course. Students should refer to the Faculty of Arts for majors available in the Bachelor of Communications and Media Studies course.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Commerce - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Commerce – Bachelor of Laws (a separate testamur is awarded for each degree)
Abbreviation:	BCom-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	282*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	773
UAC Code:	751202
CRICOS Code:	003683K

*This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Commerce – Bachelor of Laws degree provides opportunities for students to combine their interest in law with business or commerce.

For the first two years of the double degree, students enrol in subjects offered by the Faculty of Commerce. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Commerce – Bachelor of Laws, must complete each of the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- subjects to the value of at least 102 credit points from the from the Bachelor of Commerce Course Program, consisting of:
 - all compulsory subjects in the Bachelor of Commerce Course Program; and
 - an approved Commerce major except for a Business Law major.

Note:

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

- i) Where subjects in c) have the prefix **LAW**, the equivalent Bachelor of Laws subjects must be substituted.
- ii) Students wishing to undertake the Commerce major in Financial Planning should note that it may take more than five years to complete the degree. Students are advised to contact the Sub-Deans of Commerce and Law prior to deciding to undertake the major in Financial Planning.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Commerce – Bachelor of Laws (Joint Honours by Research), a candidate must complete LLB424 Joint Research Honours in Law and Another Discipline, and 24 credit points of the equivalent subject in Commerce. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program (Accountancy and Finance majors only)

Subjects (by year)

First Year

Subjects from Commerce Schedule

Autumn/Spring

Second Year

Subjects from Commerce Schedule

Autumn/Spring

Third Year

LLB100 Foundations of Law A

Autumn

8

LLB110 Legal Research and Writing

Autumn

4

LLB120 Law of Contract A

Autumn

8

LLB130 Criminal Law and Process A

Autumn

8

LLB150 Communication Skills

Autumn

2

LLB140 Advocacy Skills

Spring

2

LLB160 Foundations of Law B

Spring

8

LLB170 Law of Contract B

Spring

8

LLB180 Criminal Law and Process B

Spring

8

LLB190 Lawyers and Australian Society

Spring

8

Fourth Year

LLB220 Property and Trusts A

Autumn

8

LLB230 Public Law A

Autumn

8

LLB240 Law of Torts

Autumn

8

PLUS

ACCY302 or similar from the Finance or Applied Finance Schedules

Autumn

12

LLB270 Property and Trusts B

Spring

8

LLB280 Public Law B

Spring

8

LLB290 Legal Theory

Spring

8

LLB250 Drafting Skills

Spring

2

1 LLB Elective

Spring

8

Fifth Year

LLB300 Remedies and Procedure

Autumn

8

LLB310 Law of Business Organisations

Autumn

8

1 LLB Elective

Autumn

8

LLB260 Dispute Management Skills

Autumn

2

PLUS

ACCY342 or similar from the Finance or Applied Finance Schedules

Autumn 6

LLB301 Evidence

Spring 8

2 LLB Electives

Spring 16

1 LLB Elective or LLB396 Advanced Legal Skills

Spring 8

* Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.

Course Program (for all majors other than Accountancy, Finance and Financial Planning)

Subjects (by year)	Session*	Credit Points
First Year		
Subjects from Commerce Schedule	Autumn/Spring	
Second Year		
Subjects from Commerce Schedule	Autumn/Spring	
Third Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8
Fourth Year		
LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
LLB240 Law of Torts	Autumn	8
LLB260 Dispute Management Skills	Autumn	2
LLB270 Property and Trusts B	Spring	8
LLB280 Public Law B	Spring	8
LLB290 Legal Theory	Spring	8
LLB250 Drafting Skills	Spring	2
Fifth Year		
LLB300 Remedies and Procedure	Autumn	8
LLB310 Law of Business Organisations	Autumn	8
2 LLB Electives	Autumn	16
LLB301 Evidence	Spring	8
2 LLB Electives	Spring	16
1 LLB Elective or LLB396 Advanced Legal Skills	Spring	8
* Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.		

Majors

Majors are NOT available in the Bachelor of Laws course. It is necessary for students to seek appropriate advice from the Commerce Faculty on their options for majors and subject sequences.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Computer Science - Bachelor of Laws

Arts	Testamur Title of Degree:	Bachelor of Computer Science – Bachelor of Laws (a separate testamur is awarded for each degree)
Commerce	Abbreviation:	BCompSc-LLB
	Home Faculty:	Faculty of Law
	Duration:	5 years full-time or part-time equivalent
	Total Credit Points:	288*
	Delivery Mode:	On-campus
Creative Arts	Starting Session(s):	Autumn
	Location:	Wollongong
	UOW Course Code:	776
	UAC Code:	751203
	CRICOS Code:	012093B

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Computer Science – Bachelor of Laws offers opportunities for students to undertake a specialised degree of study in computer science and law.

For the first two years of the double degree, students enrol substantially in subjects offered by the Faculty of Informatics. In the final three years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Refer to Faculty of Informatics for entry requirements for the Bachelor of Computer Science.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Computer Science – Bachelor of Laws, must complete each of the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- subjects to the value of at least 108 credit points from the Computer Science Course Schedule or the General Schedule, including:
 - 72 credit points of compulsory (core) subjects from the Computer Science Course Schedule;
 - an additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects;
 - elective subjects to the value of 12 credit points from the Computer Science Course Schedule or the General Schedule;
- at least 24 credit points of 300-level subjects, including CSCI321 Project, at Pass grade or better.

Note: No more than 24 credit points of subjects shall be at Pass Conceded grade.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session*	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australia Society	Spring	8
Second Year		
LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
LLB240 Law of Torts	Autumn	8
LLB260 Dispute Management Skills	Autumn	2
Subject from Computer Science Schedule# (CSCI103)	Autumn	6
LLB270 Property and Trusts B	Spring	8
LLB280 Public Law B	Spring	8
LLB290 Legal Theory	Spring	8
LLB250 Drafting Skills	Spring	2
Subjects from Computer Science# (CSCI114)	Spring	6
Third Year		
LLB300 Remedies and Procedure	Autumn	8
LLB310 Law of Business Organisations	Autumn	8
1 LLB Elective	Autumn	8
2 Subjects from Computer Science# (CSCI124 + MATH121)	Autumn	12
LLB301 Evidence	Spring	8
LLB290 Legal Theory	Spring	8
2 LLB Electives	Spring	16
2 Subjects from Computer Science# (CSCI222 + CSCI204)	Spring	12
Fourth Year		
1 LLB Elective	Autumn	8
3 Subjects from Computer Science# (CSCI321 + CSCI212 + CSCI102)	Autumn	18
LLB Elective or LLB396 Advanced Legal Skills	Spring	8
3 Subjects from Computer Science# (CSCI321 + CSCI321 + 12cp @ 300 level)	Spring	18
Fifth Year		
3 Subjects from Computer Science# (STAT131 + 12cp @ 300 level)	Autumn	18
2 Subjects from Computer Science# (12cp @ any level)	Spring	12
* Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.		
# It is recommended that you contact the School of Computer Science for advice on which subjects to take.		

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Computer Science Schedule for majors available in the Bachelor of Computer Science degree.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Creative Arts - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Creative Arts – Bachelor of Laws (a separate testamur is awarded for each degree)
Abbreviation:	BCA-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	288*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	772
UAC Code:	751204
CRICOS Code:	005068F

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Creative Arts – Bachelor of Laws degree allows students to combine studies in the creative arts, such as creative writing, graphic design, sound, composition, performance or visual arts with studies in law. Many lawyers find that knowledge of the arts and media is extremely useful in their practice.

For the first two years of the double degree, students enrol in subjects offered substantially by the Faculty of Law. In the final three years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

An additional selection criterion applies for the Bachelor of Creative Arts. In addition to applying to UAC, students must submit an interview/audition application form to the Faculty of Creative Arts. For further information refer to the UAC Guide.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Creative Arts – Bachelor of Laws, must complete each of the following:

- all compulsory Law subjects in the sequence prescribed in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- a major study comprising 108 credit points as approved by the Faculty of Creative Arts.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Creative Arts – Bachelor of Laws (Joint Honours by Research), a candidate must complete LLB424 Joint Research Honours in Law and Another Discipline, and 24 credit points of the equivalent subject in Creative Arts. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session*	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8
Second Year		
LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
LLB240 Law of Torts	Autumn	8
LLB260 Dispute Management Skills	Autumn	2
1 Subject from Bachelor of Creative Arts Schedule	Autumn	6
LLB270 Property and Trusts B	Spring	8
LLB280 Public Law B	Spring	8
LLB290 Legal Theory	Spring	8
LLB250 Drafting Skills	Spring	2
PLUS		
1 Subject from Bachelor of Creative Arts Schedule	Spring	6
Third Year		
LLB300 Remedies and Procedure	Autumn	8
LLB310 Law of Business Organisations	Autumn	8
1 LLB Elective	Autumn	8
2 Subjects from Bachelor of Creative Arts Schedule	Autumn	12
LLB301 Evidence	Spring	8
2 LLB Electives	Spring	16
1 LLB Elective OR LLB396 Advanced Legal Skills	Spring	8
2 Subjects from Bachelor of Creative Arts Schedule	Spring	12
Fourth Year		
1 LLB Elective	Autumn	8
3 Subjects from the Creative Arts Schedule	Autumn	18

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	LLB Elective OR LLB396 Advanced Legal Skills	Spring	8
	3 Subjects from the Creative Arts Schedule	Spring	18
	Fifth Year		
	3 Subjects from Bachelor of Creative Arts Schedule Only	Autumn	18
	3 Subjects from Bachelor of Creative Arts Schedule Only	Spring	18
Commerce	* Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.		
	Majors		
	Majors are NOT available in the Bachelor of Laws course. Refer to the Creative Arts schedule for majors available in the Bachelor of Creative Arts degree.		
	Electives		
	Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).		
Creative Arts	Bachelor of Engineering - Bachelor of Laws		
Education	Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Laws (a separate testamur is awarded for each degree)	
	Abbreviation:	BE-LLB	
	Home Faculty:	Faculty of Law	
	Duration:	6 years full-time or part-time equivalent	
	Total Credit Points:	342*	
Engineering	Delivery Mode:	On-campus	
	Starting Session(s):	Autumn	
	Location:	Wollongong	
	UOW Course Code:	779	
	UAC Code:	751208	
Health & Behavioural Sciences	CRICOS Code:	036465C	
	* This is a minimum figure and may vary depending on major.		
	Overview		
	Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Engineering – Bachelor of Laws degree allows students to recognise how law functions in technical contexts.		
	For the first three years of the double degree, students enrol substantially in subjects offered by the Faculty of Engineering. In the final three years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.		
Informatics	Entry Requirements / Assumed Knowledge		
Law	For the Faculty of Law:		
	Assumed Knowledge: Any two units of English.		
	Recommended Studies: English Advanced.		
	Refer to Faculty of Engineering for entry requirements for Bachelor of Engineering.		
	Advanced Standing		
Science	Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html		
	Course Requirements		
	Students who enrol in the Bachelor of Engineering – Bachelor of Laws must complete each of the following:		

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- a major study comprising 162 credit points as prescribed by the Faculty of Engineering.

Note: All students should discuss their Engineering program with the relevant Course Coordinator.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session*	Credit Points
First Year		
Subjects from Engineering schedule	Autumn and Spring	
Second Year		
Subjects from Engineering schedule	Autumn and Spring	
Third Year		
Subjects from Engineering schedule	Autumn and Spring	
Fourth Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	8
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8
Fifth Year		
LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
LLB240 Law of Torts	Autumn	8
LLB260 Dispute Management Skills	Autumn	2
Engineering Thesis	Autumn	6
Remaining Subjects from Engineering Schedule if necessary	Autumn	
LLB270 Property and Trusts B	Spring	8
LLB280 Public Law B	Spring	8
LLB290 Legal Theory	Spring	8
LLB250 Drafting Skills	Spring	2
Engineering Thesis	Spring	6
Remaining Subjects from Engineering Schedule if necessary	Spring	
Sixth Year		
LLB300 Remedies and Procedure	Autumn	8
LLB310 Law of Business Organisations	Autumn	8
2 LLB Electives	Autumn	16

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Remaining Subjects from Engineering Schedule if necessary LLB301 Evidence 2 LLB Electives 1 LLB Elective OR LLB396 Advanced Legal Skills Remaining Subjects from Engineering Schedule if necessary * Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.	Spring Spring Spring Spring Spring	 8 16 8																						
Commerce	Majors Majors are NOT available in the Bachelor of Laws course. Refer to the Engineering Schedule for majors available in the Bachelor of Engineering degree.																								
Creative Arts	Electives Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).																								
Education	Bachelor of Information and Communication Technology - Bachelor of Laws																								
Engineering	<table><tr><td>Testamur Title of Degree:</td><td>Bachelor of Information and Communication Technology – Bachelor of Laws (a separate testamur is awarded for each degree)</td></tr><tr><td>Abbreviation:</td><td>BInfoTech-LLB</td></tr><tr><td>Home Faculty:</td><td>Faculty of Law</td></tr><tr><td>Duration:</td><td>6 years full-time or part-time equivalent</td></tr><tr><td>Total Credit Points:</td><td>330*</td></tr><tr><td>Delivery Mode:</td><td>On-campus</td></tr><tr><td>Starting Session(s):</td><td>Autumn</td></tr><tr><td>Location:</td><td>Wollongong</td></tr><tr><td>UOW Course Code:</td><td>778</td></tr><tr><td>UAC Code:</td><td>751205</td></tr><tr><td>CRICOS Code:</td><td>016114C</td></tr></table>			Testamur Title of Degree:	Bachelor of Information and Communication Technology – Bachelor of Laws (a separate testamur is awarded for each degree)	Abbreviation:	BInfoTech-LLB	Home Faculty:	Faculty of Law	Duration:	6 years full-time or part-time equivalent	Total Credit Points:	330*	Delivery Mode:	On-campus	Starting Session(s):	Autumn	Location:	Wollongong	UOW Course Code:	778	UAC Code:	751205	CRICOS Code:	016114C
Testamur Title of Degree:	Bachelor of Information and Communication Technology – Bachelor of Laws (a separate testamur is awarded for each degree)																								
Abbreviation:	BInfoTech-LLB																								
Home Faculty:	Faculty of Law																								
Duration:	6 years full-time or part-time equivalent																								
Total Credit Points:	330*																								
Delivery Mode:	On-campus																								
Starting Session(s):	Autumn																								
Location:	Wollongong																								
UOW Course Code:	778																								
UAC Code:	751205																								
CRICOS Code:	016114C																								
Health & Behavioural Sciences	* This is a minimum figure and may vary depending on major.																								
Informatics	Overview Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Information and Communication Technology – Bachelor of Laws allows students to combine an interest in information technology and law. For the first year of the double degree, students enrol in subjects offered by the Faculty of Law. In years two, three and four of the degree, students enrol exclusively in Informatics subjects. In years five and six, students enrol exclusively in Law subjects.																								
Law	Entry Requirements / Assumed Knowledge For the Faculty of Law: Assumed knowledge: Any two units of English. Recommended Studies: English Advanced. Refer to Faculty of Informatics for entry requirements for the Bachelor of Information and Communication Technology.																								
Science	Advanced Standing Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html																								

Course Requirements

Students who enrol in the Bachelor of Information and Communication Technology – Bachelor of Laws, must complete each of the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- subjects to the value of at least 150 credit points for the Bachelor of Information and Communication Technology, including all compulsory (core) subjects for a Bachelor of Information Technology major study and, where necessary, elective subjects chosen from the IACT Additional Subject List.

Note:

- At least 36 credit points shall be of 300-level subjects.
- At least 42 credit points shall be chosen from the IACT 400-level subject list.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session*	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8
Second Year		
Subjects from the Information and Communication Technology Schedule	Autumn and Spring	
Third Year		
Subjects from the Information and Communication Technology Schedule	Autumn and Spring	
Fourth Year		
Subjects from the Information and Communication Technology Schedule	Autumn and Spring	
Fifth Year		
LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
LLB240 Law of Torts	Autumn	8
LLB260 Dispute Management Skills	Autumn	2
LLB270 Property and Trusts B	Spring	8
LLB280 Public Law B	Spring	8
LLB290 Legal Theory	Spring	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	LLB250 Drafting Skills	Spring	2																					
	PLUS																							
	Subjects from the Information and Communication Technology Schedule																							
Commerce	Sixth Year																							
	LLB300 Remedies and Procedure	Autumn	8																					
	LLB310 Law of Business Organisations	Autumn	8																					
	2 LLB Electives	Autumn	16																					
	LLB301 Evidence	Spring	8																					
	2 LLB Electives	Spring	16																					
	1 LLB Elective OR LLB396 Advanced Legal Skills	Spring	8																					
Creative Arts	PLUS																							
	Subjects from the Information and Communication Technology Schedule																							
	★ Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.																							
Education	Majors																							
	Majors are NOT available in the Bachelor of Laws course. Refer to the Information and Communication Technology Schedule for majors. It is necessary for students to seek appropriate advice from the Informatics Faculty on their options for Majors and subject sequences.																							
Engineering	Electives																							
	Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).																							
Health & Behavioural Sciences	Bachelor of Journalism - Bachelor of Laws																							
	<table><tr><td>Testamur Title of Degree:</td><td>Bachelor of Journalism – Bachelor of Laws (a separate testamur is awarded for each degree)</td></tr><tr><td>Abbreviation:</td><td>BJ-LLB</td></tr><tr><td>Home Faculty:</td><td>Faculty of Creative Arts</td></tr><tr><td>Duration:</td><td>5 years full-time or part-time equivalent★</td></tr><tr><td>Total Credit Points:</td><td>270</td></tr><tr><td>Delivery Mode:</td><td>On-campus</td></tr><tr><td>Starting Session(s):</td><td>Autumn</td></tr><tr><td>Location:</td><td>Wollongong</td></tr><tr><td>UOW Course Code:</td><td>858</td></tr><tr><td>UAC Code:</td><td>751211</td></tr><tr><td>CRICOS Code:</td><td>058981A</td></tr></table>			Testamur Title of Degree:	Bachelor of Journalism – Bachelor of Laws (a separate testamur is awarded for each degree)	Abbreviation:	BJ-LLB	Home Faculty:	Faculty of Creative Arts	Duration:	5 years full-time or part-time equivalent★	Total Credit Points:	270	Delivery Mode:	On-campus	Starting Session(s):	Autumn	Location:	Wollongong	UOW Course Code:	858	UAC Code:	751211	CRICOS Code:
Testamur Title of Degree:	Bachelor of Journalism – Bachelor of Laws (a separate testamur is awarded for each degree)																							
Abbreviation:	BJ-LLB																							
Home Faculty:	Faculty of Creative Arts																							
Duration:	5 years full-time or part-time equivalent★																							
Total Credit Points:	270																							
Delivery Mode:	On-campus																							
Starting Session(s):	Autumn																							
Location:	Wollongong																							
UOW Course Code:	858																							
UAC Code:	751211																							
CRICOS Code:	058981A																							
Informatics	★ A student can extend the length of the course and reduce the subject load in some years by postponing electives. In some cases the need to satisfy prerequisites may extend the course beyond the minimum length.																							
	Overview																							
Law	A double degree in Journalism and Law will provide students with an expanded skill set – one that will set them apart from students who opt for a single degree option in either Faculty. This is not to say that single degree students will be precluded from jobs on the basis of their qualifications. UOW’s reputation for quality teaching provides graduates with a strong advantage, but the double degree provides graduates with a wider range of options.																							
	Entry Requirements / Assumed Knowledge																							
Science	For the Faculty of Law:																							
	Assumed knowledge: Any two units of English.																							
	Recommended Studies: English Advanced.																							
	Refer to Faculty of Creative Arts for entry requirements for Bachelor of Journalism.																							

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courseules/advancedstanding.html

Course Requirements

To qualify for the award of the Bachelor of Journalism – Bachelor of Laws, a candidate must complete total of at least 270 credit points including each of (a), (b) and (c) as follows:

- at least 90 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, and subjects required for one Specialist Stream*;
- all compulsory Law subjects in the sequence prescribed in the relevant Course Program;
- elective subjects to the value of 40 credit points from the LLB Elective Law Schedule.

To be eligible for the award of LLB Honours (calculated in accordance with method 4), a candidate must complete LLB313.

To be eligible for the award of LLB (Honours by Research) a candidate must complete LLB448 Research Honours in Law. The Honours grade will be calculated in accordance with method 1.

*Note: Students of the Bachelor of Journalism – Bachelor of Laws will be exempted from the three Journalism electives normally required in the Bachelor of Journalism.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session*	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8
Second Year		
JOUR111 Introduction to Journalism	Autumn	6
JOUR112 Theory Meets Practice	Autumn	6
LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
DESN290 Introduction to Graphic Design Fundamental	Spring	6
JOUR113 Legal and Professional Issues for Journalists	Spring	6
JOUR114 Newsroom Practice (1)	Spring	6
LLB270 Property and Trusts B	Spring	8
LLB280 Public Law B	Spring	8
Third Year		

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	DESN211 Introduction to Web Design	Autumn	6
	JOUR210 Writing for the Internet	Autumn	6
	JOUR214 Newsroom Practice (2) – Featuring Writing	Autumn	6
	LLB240 Law of Torts	Autumn	8
	LLB260 Dispute Management Skills	Autumn	2
Commerce	JOUR215 Convergent Journalism (1)	Spring	6
	FIRST SUBJECT IN BJ SPECIALIST STREAM	Spring	6
	LLB250 Drafting Skills	Spring	2
	LLB290 Legal Theory	Spring	8
	Fourth Year		
Creative Arts	JOUR314 Newsroom Practice (3) – Editing and Production	Autumn/Spring	6
	JOUR315 Convergent Journalism (2)	Autumn	6
	LLB300 Remedies and Procedure	Autumn	8
	LLB310 Law of Business Organisations	Autumn	8
	LLB301 Evidence	Spring	8
2 LLB Electives	Autumn	16	
Education	Fifth Year		
	JOUR312 Internship	Autumn/Spring	6
	SECOND SUBJECT IN BJ SPECIALIST STREAM	Autumn	6
	JOUR320 Journalism Project	Spring	6
	2 LLB Electives	Spring	16
Engineering	1 LLB Elective or LLB396 Advanced Legal Skills	Spring	8
	★ Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.		
	Majors		
	Majors are NOT available in the Bachelor of Laws course.		
	Electives		
Health & Behavioural Sciences	Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).		
	Bachelor of Mathematics - Bachelor of Laws		
	Testamur Title of Degree:	Bachelor of Mathematics – Bachelor of Laws (a separate testamur is awarded for each degree)	
	Abbreviation:	BMath-LLB	
	Home Faculty:	Faculty of Law	
Informatics	Duration:	5 years full-time or part-time equivalent	
	Total Credit Points:	288★	
	Delivery Mode:	On-campus	
	Starting Session(s):	Autumn	
	Law	Location:	Wollongong
UOW Course Code:		774	
UAC Code:		751206	
CRICOS Code:		005069E	
★ This is a minimum figure and may vary depending on major.			
Science	Overview		
	Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Mathematics – Bachelor of Laws offers opportunities for students with and aptitude for, and an interest in, mathematics.		

For the year of the double degree, students enrol in subjects offered by the Faculty of Law. In years two and three of the degree, students enrol exclusively in Mathematics subjects. Years four and five consist only of compulsory and some elective subjects from the Faculty of Law.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:

Assumed knowledge: Any two units of English.

Recommended Studies: English Advanced.

For the Bachelor of Mathematics:

Refer to Faculty of Informatics.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Mathematics – Bachelor of Laws, must complete each the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- subjects to the value of at least 108 credit points from the Mathematics Course Schedule or the General Schedule, including a major study in Mathematics;

Note: Students must also satisfy the requirements prescribed for the Bachelor of Mathematics degree.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session*	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2
LLB160 Foundations of Law B	Spring	8
LLB170 Law of Contract B	Spring	8
LLB180 Criminal Law and Process B	Spring	8
LLB190 Lawyers and Australian Society	Spring	8
Second Year		
LLB220 Property and Trusts A	Autumn	8
LLB230 Public Law A	Autumn	8
LLB240 Law of Torts	Autumn	8
LLB260 Dispute Management Skills	Autumn	2

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MATH187Mathematics 1A Part 1#	Autumn	6
	LLB270 Property and Trusts B	Spring	8
	LLB280 Public Law B	Spring	8
	LLB290 Legal Theory	Spring	8
	LLB250 Drafting Skills	Spring	2
Commerce	MATH188Mathematics 1A Part 2*#	Spring	6
	Third Year		
	LLB300 Remedies and Procedure	Autumn	8
	LLB310 Law of Business Organisations	Autumn	8
	1 LLB Elective	Autumn	8
Creative Arts	MATH201Multivariate and Vector Calculus#	Autumn	6
	MATH203Linear Algebra#	Autumn	6
	LLB301 Evidence	Spring	8
	2 LLB Electives	Spring	16
	MATH202Differential Equations 2#	Spring	6
Education	MATH204Complex Variables and Group Theory#	Spring	6
	Fourth Year		
	1 LLB Elective	Autumn	8
	Subjects from the Mathematics and Applied Statistics Schedule#	Autumn	18
	LLB Elective OR LLB396 Advanced Legal Skills	Spring	8
Engineering	Subjects from the Mathematics and Applied Statistics Schedule#	Spring	18
	Fifth Year		
	Subjects from the Mathematics and Applied Statistics Schedule#	Autumn / Spring	36
	* Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.		
	# It is recommended that you contact the School of Mathematics and Applied Statistics for advice on which subjects to take.		
Health & Behavioural Sciences	Majors		
	Majors are NOT available in the Bachelor of Laws course. Refer to the Mathematics Schedule for majors available in the Bachelor of Mathematics course.		
	Electives		
	Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).		
Informatics	Bachelor of Medical Science - Bachelor of Laws		
	Testamur Title of Degree:	Bachelor of Medical Science – Bachelor of Laws (a separate testamur is awarded for each degree)	
	Abbreviation:	BMedSc-LLB	
	Home Faculty:	Faculty of Law	
	Duration:	6 years full-time or part-time equivalent	
Law	Total Credit Points:	270*	
	Delivery Mode:	On-campus	
	Starting Session(s):	Autumn	
	Location:	Wollongong	
	UOW Course Code:	775M	
Science	UAC Code:	751209	
	CRICOS Code:	036542F	
	* This is a minimum figure and may vary depending on major.		

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Medical Science – Bachelor of Laws degree provides opportunities for students with an interest in the application of the law to medical contexts, including medical ethics and bioethics.

For the first three years of the double degree, students enrol substantially in subjects offered by the other faculty. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options and if necessary, subjects from the other Faculty.

For the first year of the double degree, students enrol entirely in subjects offered by the Faculties of Science and Health & Behavioural Science as suggested for the first year Bachelor of Medical Science (BMS) degree. In the remaining four years of the degree, students enrol in the core BMS subjects as well as the necessary Law subjects, including a range of Law elective options.

Entry Requirements / Assumed Knowledge

For the Bachelor of Laws:

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

For the Bachelor of Medical Science:

Refer to Faculty of Health & Behavioural Sciences for entry requirements.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/course/rules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Medical Science – Bachelor of Laws, must complete each of the following:

- a) all compulsory Law subjects as set out in the relevant Course Program;
- b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;
- c) general elective subjects having a value of at least 90 credit points forming a Medical Science major study which must:
 - i) be selected from the Health & Behavioural Sciences Schedule of Subjects;
 - ii) include no more than 48 credit points of 100-level subjects; and
 - iii) include at least 24 credit points for 300-level subjects.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete LLB313 Legal Research Project in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete the elective LLB448 Research Honours in Law as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session*	Credit Points
First Year		
Subjects from Health & Behavioural Sciences Schedule	Autumn and Spring	
Second Year		
Subjects from Health & Behavioural Sciences Schedule	Autumn and Spring	
Third Year		
Subjects from Health & Behavioural Sciences Schedule	Autumn and Spring	
Fourth Year		
LLB100 Foundations of Law A	Autumn	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	LLB110	Legal Research and Writing	Autumn	4
	LLB120	Law of Contract A	Autumn	8
	LLB130	Criminal Law and Process A	Autumn	8
	LLB150	Communication Skills	Autumn	2
	LLB140	Advocacy Skills	Spring	2
Commerce	LLB160	Foundations of Law B	Spring	8
	LLB170	Law of Contract B	Spring	8
	LLB180	Criminal Law and Process B	Spring	8
	LLB190	Lawyers and Australian Society	Spring	8
	Fifth Year			
Creative Arts	LLB220	Property and Trusts A	Autumn	8
	LLB230	Public Law A	Autumn	8
	LLB240	Law of Torts	Autumn	8
	LLB260	Dispute Management Skills	Autumn	2
	Subjects from the Health & Behavioural Sciences Schedule		Autumn	
Education	LLB270	Property and Trusts B	Spring	8
	LLB280	Public Law B	Spring	8
	LLB290	Legal Theory	Spring	8
	LLB250	Drafting Skills	Spring	2
	Subjects from the Health & Behavioural Sciences Schedule		Autumn	
Engineering	Sixth Year			
	LLB300	Remedies and Procedure	Autumn	8
	LLB310	Law of Business Organisations	Autumn	8
	2 LLB Electives		Autumn	16
	LLB301	Evidence	Spring	8
Health & Behavioural Sciences	2 LLB Electives		Spring	16
	1 LLB Elective OR LLB396 Advanced Legal Skills		Spring	8
	★ Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.			
	Majors			
	Majors are NOT available in the Bachelor of Laws course. Refer to the Health & Behavioural Sciences Schedule for majors.			
Informatics	Electives			
	Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).			
	Bachelor of Science - Bachelor of Laws			
	Testamur Title of Degree: Bachelor of Science - Bachelor of Laws (a separate testamur is awarded for each degree)			
	Abbreviation: BSc-LLB			
Law	Home Faculty: Faculty of Law			
	Duration: 5 years full-time or part-time equivalent			
	Total Credit Points: 270★			
	Delivery Mode: On-campus			
	Starting Session(s): Autumn			
Science	Location: Wollongong			
	UOW Course Code: 775			
	UAC Code: 751207			
	CRICOS Code: 006872C (Science) or 029274B (HBS)			
	★ This is a minimum figure and may vary depending on major.			

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Science – Bachelor of Laws degree provides opportunities for students to combine their knowledge of law with scientific disciplines in addressing issues such as environmental planning, or those arising from the introduction of new technology.

For the first year of the double degree, students enrol substantially in subjects offered by the Faculty of Law. In the remaining four years of the degree, students enrol in Law subjects, including a range of law elective options and subjects from the Bachelor of Science Schedule.

Entry Requirements / Assumed Knowledge

For the Bachelor of Laws:

Assumed knowledge: Any two units of English.

Recommended Studies: English Advanced.

For the Bachelor of Science:

Refer to relevant faculty for entry requirements.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to www.uow.edu.au/handbook/courseules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Science – Bachelor of Laws, must complete each of the following:

- all compulsory Law subjects as set out in the relevant Course Program;
- elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule; and
- subjects to the value of at least 90 credit points, including a major study, selected from the Bachelor of Science Course Program or the Faculty of Health and Behavioural Sciences Course Program, or a prescribed Environmental Science program of study having a value of 92 credit points.

Note: No more than 48 credit points shall be of 100-level subjects.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Science – Bachelor of Laws (Joint Honours by Research), a candidate must complete LLB424 Joint Research Honours in Law and Another Discipline, and 24 credit points of the equivalent subject in Science. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)	Session*	Credit Points
First Year		
LLB100 Foundations of Law A	Autumn	8
LLB110 Legal Research and Writing	Autumn	4
LLB120 Law of Contract A	Autumn	8
LLB130 Criminal Law and Process A	Autumn	8
LLB150 Communication Skills	Autumn	2
LLB140 Advocacy Skills	Spring	2

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	LLB160	Foundations of Law B	Spring	8
	LLB170	Law of Contracts B	Spring	8
	LLB180	Criminal Law and Process B	Spring	8
	LLB190	Lawyers and Australian Society	Spring	8
	Second Year			
Commerce	Subjects from Science or Health & Behavioural Sciences Schedule		Autumn and Spring	12
	PLUS			
	LLB220	Property and Trusts A	Autumn	8
	LLB230	Public Law A	Autumn	8
	LLB240	Law of Torts	Autumn	8
Creative Arts	LLB260	Dispute Management Skills	Autumn	2
	LLB270	Property and Trusts B	Spring	8
	LLB280	Public Law B	Spring	8
	LLB290	Legal Theory	Spring	8
	LLB250	Drafting Skills	Spring	2
Education	Third Year			
	Subjects from Science or Health & Behavioural Sciences Schedule		Autumn and Spring	24
	PLUS			
	LLB300	Remedies and Procedure	Autumn	8
	LLB310	Law of Business Organisations	Autumn	8
Engineering	LLB301	Evidence	Spring	8
	1 LLB Elective OR LLB396 Advanced Legal Skills		Spring	8
	Fourth Year			
	Subjects from Science or Health & Behavioural Sciences Schedule		Autumn and Spring	36-40
	PLUS			
Health & Behavioural Sciences	1 LLB Elective		Autumn	8
	1 LLB Elective		Spring	8
	Fifth Year			
	Subjects from Science or Health & Behavioural Sciences Schedule		Autumn and Spring	14-18
	PLUS			
Informatics	1-2 LLB Electives		Autumn	8-16
	1 LLB Elective		Spring	8
	* Session of offer subject to change in 2007. Refer to Faculty of Law for further information when enrolling.			
	Majors			
	Majors are NOT available in the Bachelor of Laws course. Refer to the Science or Health & Behavioural Sciences Schedule for majors.			
Law	Electives			
	Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).			
Science				

SUBJECT DESCRIPTIONS

LAW 100 Law in Society

Autumn	Moss Vale	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Wollongong	On Campus
Autumn	Loftus	On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: LLB100

Subject Description: Effective participation in the business world, and in society in general, requires some understanding of the law and of legal processes. Law in Society aims to provide the knowledge and skills to achieve these goals. The subject introduces students to the various stages of setting up and operating a small business and the areas of law most relevant to each stage. The consideration of the law focuses on its practical implications for achieving business objectives and preventing legal problems arising.

LAW 210 Contract Law

Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus

Credit Points: 6

Pre-requisites: LAW100 or LAW130

Co-requisites: None

Exclusions: LLB 210

Subject Description: A study of the common law governing contractual relationships together with an outline of relevant statutory modifications, including an introduction to the sale of goods, consumer law, and e-commerce. The subject allows the student to have an understanding that contract law is the basis of commercial law and is thus essential for persons wishing to engage in business. Indeed the formation of contracts is an integral part of the conduct of any business enterprise and an ability to interpret and understand such contracts will enable the person involved in the business to make informed decisions and be aware of alternatives.

LAW 302 Law of Business Organisations

Autumn	Wollongong	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6

Pre-requisites: LAW210

Co-requisites: None

Subject Description: The subject outlines the key features of the different legal structures which people might adopt for their business and voluntary activities. The legal regulation of two of these, a partnership and a company incorporated under the Corporations Act, are then considered in depth. Practical applications of the law, and public policy dimensions, are addressed throughout the subject.

LAW 303 Children, Families and the Law

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: LAW100

Co-requisites: None

Exclusions: LLB303

Subject Description: The subject examines the legislative framework and common law principles applicable to both the legal recognition of relationships and the resolution of disputes arising from the breakdown of those relationships. Areas covered include: marriage; divorce; nullity; disputes in relation to children under the Family Law Act, 1975 (Cth); property and maintenance disputes for both married and non-married couples; child support and child maintenance; family violence under state and federal legislation; international abduction. The subject also looks at the related areas of state child welfare proceedings and adoption. The course examines what "family" means today and the challenges our legal system faces in dealing with this fluid concept and recognizing diverse family structures and relationships.

LAW 304 Criminal Law and the Process of Justice

Not on offer in 2007

Credit Points: 6

Pre-requisites: LAW100

Co-requisites: None

Exclusions: Not to count with LLB304

Subject Description: This subject is an introduction to: concepts used in criminal laws; principles of criminal liability; major categories of offences and selected defences; and aspects of criminal procedure.

LAW 308 Administrative Law

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: LAW 100

Co-requisites: None

Exclusions: LLB 308 or LLB230

Subject Description: The notion of the state and state power; limitations on state power; the constitutional structure of the Australian nation-state; the notion of division and separation of powers; mechanisms of accountability and control of government officials, including access to government information, the Ombudsman, merits review tribunals and judicial review.

LAW 315 Taxation Law

Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus

Credit Points: 6

Pre-requisites: LAW210

Co-requisites: None

Subject Description: This subject focuses on the structure of the Income Tax Assessment Acts (1936 & 1997); Fringe Benefits Tax Assessment Act 1986; and related legislation. General principles with respect to the assessability of income and deductibility of expenses are studied, together with the treatment of fringe benefits and capital gains.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>LAW 316 Occupational Health and Safety Law Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: LAW100 and 12 credit points in LAW subjects Co-requisites: None Exclusions: LLB316 Subject Description: This subject is concerned with the study of the legal regime governing health, safety and welfare of people at work in New South Wales. Its focus will be the Occupational Health and Safety Act 2000 and the Occupational Health and Safety Regulations 2001.</p>	<p>Exclusions: LLB322 Subject Description: What role do material objects play in the law and legal processes? Property, symbols, documents, land and buildings all combine with law to be part of everyday life. Law regulates use of these objects, while drawing on them for its own representations and effectiveness. We are legal subjects in many senses: we act as willing subjects in living our lives: buying and selling, entering into contracts, making decisions. We are also subject to the law. In each of these areas our relationship with the material world is critical: bodies, property and space are all critical interfaces between objects and subjects.</p>
Commerce		
Creative Arts	<p>LAW 317 E-Commerce Law Spring Wollongong On Campus Credit Points: 6 Pre-requisites: LAW 210 and a minimum 48 credit points. Co-requisites: None Exclusions: LLB317 Subject Description: The subject explores some of the more significant legal and regulatory issues and developments that e-commerce gives rise to. The main perspective is that of the on-line business and its risk management needs for achieving business success. This brings the interests of suppliers consumers and regulators into focus. We begin with an overview of the cyber-marketplace and relevant public policy considerations. Then we adopt a timeline approach focusing on those issues and developments most relevant at start up and once the business opens for on-line trading. Start up introduces intellectual property law, privacy and transactional security issues and responses. On-line trading raises identity, contract, consumer protection, payment systems and jurisdictional issues and responses. Finally, we turn to an area for special study. Students will be invited to select that area, for example from among the issues and developments relating to the infrastructure constituting the cyber-marketplace.</p>	<p>LAW 330 Law of Employment Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: (MGMT240) OR (LAW100 PLUS either COMM100 or LAW210) Co-requisites: None Exclusions: LLB330 Subject Description: An overview of the rights and duties of individual employers and employees under common law and selected legislation, including: formation, content and termination of the contract of employment; implied duties of employers and employees; remedies at common law; statute-derived employment conditions; unfair dismissal legislation; unfair work contracts; occupational health and safety.</p>
Education		
Engineering		
Health & Behavioural Sciences	<p>LAW 321 Banking Law Spring Wollongong On Campus Credit Points: 6 Pre-requisites: LAW 210 Co-requisites: None Exclusions: LLB 321 Subject Description: LLB321 Banking Law is designed to develop in students a sound understanding of the law governing financial institutions in Australia, and the manner in which these institutions are regulated. The relationship between financial institutions and their customers will be examined, along with the impact of recent technological developments on this relationship and on the business of banking. The law dealing with cheques and other negotiable instruments will be discussed in detail. The issue of security for transactions with financial institutions will be analysed, along with the position of banks as creditors when a customer becomes bankrupt.</p>	<p>LAW 331 Intellectual Property Law Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: LAW210 Co-requisites: None Exclusions: LLB331 Subject Description: This subject provides an overview of the field of intellectual property law commencing with an analysis of the 2 major and oldest forms of intellectual property – copyright and patents. The course then moves on to the methods of protecting business reputation both at common law/equity, and through the registration of trade marks. Other more recent forms of intellectual property are also covered, such as plant breeder's rights, designs and circuit layouts.</p>
Informatics		
Law		<p>LAW 332 Labour Regulation Spring Wollongong On Campus Credit Points: 6 Pre-requisites: LAW210 Co-requisites: None Exclusions: LLB332 Subject Description: This subject examines the legal regulation of work and labour relations in Australia. After analysing ideas and methods underpinning regulation of the 'labour market' by law, the current system under the Workplace Relations Act (Workchoices amendments) will be studied by reference to the history of labour regulation in Australia (common law, compulsory arbitration), comparisons with other countries, and international law under the International Labour Organisation. The subject will study regulation of: institutions and relationships, standard minimum pay and conditions, grievance and dispute resolution (including unfair dismissal), individual and collective bargaining and agreements, regulation of trade unions, law of strikes and industrial action. Students</p>
Science	<p>LAW 322 Objects and Subjects: Law, Things and Everyday Life Spring Wollongong On Campus Credit Points: 6 Pre-requisites: 48 credit points of any subjects Co-requisites: None</p>	

will be assessed in this subject on their critical analysis and evaluation of complex issues, with a group research presentation, an individual research essay and a final exam.

LAW 334 Environmental Law

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: LAW100

Co-requisites: None

Exclusions: LAW380

Subject Description: The goal of this subject is to enable candidates to develop a basic, critical understanding of the law in relation to environmental management in Australia, with particular emphasis on NSW, including the limitations of legal instruments in achieving environmental management and policy objectives.

LAW 335 Anti-Discrimination Law

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: LAW100

Co-requisites: None

Exclusions: LLB335

Subject Description: An analysis and appraisal of laws prohibiting discrimination in Australia on various grounds, including: sex, marital status, carer responsibilities, race, disability, age, sexual preference and transgender. Laws prohibiting harassment and vilification will also be examined. The subject includes exploration of the aims and social context of anti-discrimination legislation, as well as related concepts such as equal opportunity, social justice and affirmative action. Examination of processes for complaints, dispute resolution and enforcement, and powers of investigative and adjudicatory bodies.

LAW 343 International Law

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: LAW100

Co-requisites: None

Exclusions: Not to count with LLB343 or INTR900

Subject Description: Sources of international law; the relationship between domestic law and international law; the law of treaties; the structure of the international legal system; statehood, state jurisdiction, and state responsibility.

LAW 344 Indigenous Peoples and Legal Systems

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: LAW100 or ABST100

Co-requisites: None

Exclusions: LLB344

Subject Description: This subject introduces the relationship between Indigenous and non-Indigenous laws and legal systems in Australia. It considers the nature and status of Aboriginal and Torres Strait Islander laws, exploring some of the specific legal issues of current relevance to Indigenous peoples in Australia. Topics include the impact of European colonisation, over-representation in the criminal justice system, land rights and native title, recognition of Indigenous law, and self-determination.

LAW 348 Media Law

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 72 cp including among completed subjects one of: (LAW100 and LAW210) or (COMS100 and COMS101 and LAW100) or other as may from time to time be approved

Co-requisites: None

Exclusions: LLB348

Subject Description: An introduction to the law affecting information (in the broadest sense of the term) gathering and dissemination, and to the policies and philosophies informing the legal protection of and restrictions on freedom of speech.

LAW 352 Advanced Taxation Law

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: LAW315

Co-requisites: None

Exclusions: LLB362

Subject Description: In this subject students will be exploring selected aspects of income tax, capital gains tax, fringe benefits tax, the new goods and services tax and state taxes. The course is run on an intensive basis and features presentations from tax professionals and representatives from the Australian Tax Office and the NSW Office of State Revenue.

LAW 359 Corporate Governance

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: LAW302

Co-requisites: None

Exclusions: LLB359

Subject Description: This subject will examine fundamental governance and regulatory issues. An emphasis will be placed on international and comparative corporate governance. Topics may include: theories of the corporation and their implications for corporate governance; the role of regulators in corporate governance; internal governance mechanisms; the role of shareholders, directors, management and auditors in corporate governance; directors' disclosure; insider trading; the role of institutional shareholders; the role of non-executive directors; the remuneration debate; the role of the market in corporate governance; corporate social and environmental responsibility

LAW 360 Foreign Investment Law in the People's Republic of China

Not on offer in 2007

Credit Points: 6

Pre-requisites: LAW100

Co-requisites: LAW210

Exclusions: LLB360

Subject Description: An analysis of the laws and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>LAW 365 International and Comparative Intellectual Property Law</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 8</p> <p>Pre-requisites: LAW100, LAW210 and LAW 331 or LAW 343</p> <p>Co-requisites: None</p> <p>Exclusions: LLB365 or LLB9365</p> <p>Subject Description: The subject will examine fundamental IP issues under the provisions of the major IP conventions, as well as domestic law of certain countries in Asia and the Pacific. Topics may include: the interface between IP protection and international trade; IP rights and parallel importation; the civil law concept of droit d'auteur ('author's right system') compared with 'copyright' in common law jurisdictions; IP evolving in cyberspace and access to and use of information technologies; the patenting of biotechnological products and processes, as well as socio-economic and ethical implications of biotechnological patenting; the protection of plant varieties and access to genetic resources and traditional knowledge; the patenting of pharmaceuticals and the problems relating to accessibility to medicines; the developing importance of geographical indications; the interface between competition law and IP law; protection of well-known marks; a comparative examination of the common law and civil law concepts of passing off and unfair competition; and WIPO Development Agenda.</p>
Commerce	
Creative Arts	
Education	
Engineering	<p>LAW 380 Law For Environmental Managers</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 72 credit points in a discipline other than Law</p> <p>Co-requisites: None</p> <p>Exclusions: Not to count with LAW334</p> <p>Subject Description: The goal of this subject is to enable candidates to develop a basic, critical understanding of the law in relation to environmental management in Australia, with particular emphasis on NSW, including the limitations of legal instruments in achieving environmental management and policy objectives.</p>
Health & Behavioural Sciences	
Informatics	<p>LLB 100 Foundations of Law A</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: None</p> <p>Co-requisites: LLB 110, LLB 120, LLB 130 and LLB 150</p> <p>Subject Description: The subject introduces students to the legal system, legal terminology and legal concepts in a broader context and allows students to start thinking about the values law embodies, implicitly and explicitly, and their relationship to society. This approach also enables students to reflect upon the law in theory and in practice, the knowledge needed to make sense of the difference and the skills needed to mediate it successfully. In addition, the subject provides opportunities to start practising the legal skills of statutory interpretation and case analysis which are fundamental to the study and practice of law. Finally, the subject requires students to reflect upon their own assumptions and values.</p>
Law	
Science	<p>LLB 110 Legal Research and Writing</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 4</p> <p>Pre-requisites: None</p>

Co-requisites: LLB 100 and LLB 120 and LLB 130 and LLB 150

Exclusions: LLB395

Subject Description: This subject introduces students to basic legal writing skills, legal terminology and legal concepts in a broader context which allows students to start thinking about the values law embodies, implicitly and explicitly, and their relationship to society. This subject also introduces students to research & writing, skills relevant to law and to statistical literacies. The content and assessment of this subject are integrated with Foundations of Law A.

LLB 120 Law of Contract A

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: None

Co-requisites: LLB 100 and LLB 110 and LLB 130 and LLB 150

Subject Description: LLB 120 introduces students to the substantive law of contract. Using the casebook method, the legal principles governing formation of contract are examined in detail. Other topics covered include the equitable doctrine of promissory estoppel, the statutory requirement that some contracts be evidenced by writing and the effect of the doctrine of privity upon the enforcement of contractual promises. In examining these content areas, consideration is given to broader questions about the distinctive nature of contract and the role of contract law in society. Students are introduced to some of the more important theoretical and doctrinal debates in contract law and are encouraged to use those theoretical perspectives to enrich their understanding of, and critically assess, particular contractual doctrines and rules. Comparative material is also provided to ensure that students appreciate the influence of context on the development of legal rules.

LLB 130 Criminal Law and Process A

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: None

Co-requisites: LLB 100 and LLB 110 and LLB 120 and LLB 150

Exclusions: LLB 304

Subject Description: This subject introduces students to criminal law, including substantive rules that define offences and procedures associated with the operation of the criminal justice system. It adopts an interdisciplinary approach to the study of criminal law and procedure; that is, informed by historical, sociological, criminological, political, philosophical and economic perspectives, as well as conventional legal perspectives. Related to this approach, the subject does not examine substantive rules and procedures in isolation, but examines their 'on the ground' operation (including via examination of empirical data). In addition, the subject considers the broader context in which decisions about the criminalisation of different types of behaviour and the enforcement of criminal laws are made. Students are encouraged to see criminal law as only one of a variety of regulatory mechanisms, and to assess its merits relative to other methods of regulation. Topics include: criminalisation, the criminal process, components of criminal offences, public order offences, sentencing and punishment.

LLB 140 Advocacy Skills

Spring Wollongong On Campus

Credit Points: 2**Pre-requisites:** 30 credit points LLB subjects at 100 level**Co-requisites:** LLB 160 and LLB 170 and LLB 180 and LLB 190**Subject Description:** Introduction to the principles of advocacy, professional responsibility and courtroom etiquette, and criminal procedure. Exercises include practice court submissions and the preparation of written submissions.**LLB 150 Communication Skills**

Autumn Wollongong On Campus

Credit Points: 2**Pre-requisites:** None**Co-requisites:** LLB 100 and LLB 110 and LLB 120 and LLB 130

Exclusions: LLB 392

Subject Description: The skills of listening, observing, presenting ideas clearly in non-threatening and adversary contexts, and the differences between them; eliciting information; issues in cross cultural communication; difficulties in the use of interpreters and in eliciting information from children.**LLB 160 Foundations of Law B**

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 30 cp of 100 level LLB

Subjects including LLB 100

Co-requisites: LLB 170 and LLB 180 and LLB 190 and LLB 140

Exclusions: LLB 200 or LLB222

Subject Description: The subject explores the sources of law, the application of law and ways of arguing the law. It aims to contribute to students' foundational understanding of law and its place in Australian society by encouraging social and philosophical analysis of key issues dealt with in other areas of the first year LLB program.**LLB 170 Law of Contract B**

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 30 cp of 100 level LLB

Subjects including LLB 120

Co-requisites: LLB 160 and LLB 180 and LLB 190 and LLB 140

Exclusions: LAW 210

Subject Description: LLB 170 builds upon the material covered in LLB 120. It explores the content and application of the common law, equitable and statutory rules relating to enforceable agreements, and places those rules within their historical, social, economic and theoretical context. Topics covered include identifying and interpreting terms of a contract; performance and breach of contract, termination of contract, vitiating factors and contractual remedies. Specific attention is devoted to the relationship of common law and equity in the context of contractual obligations and remedies. Students draw upon historical and theoretical material introduced in LLB 120 in considering and evaluating the doctrines and legal rules covered in LLB 170.**LLB 180 Criminal Law and Process B**

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 30 cp of 100 level LLB

Subjects including LLB 130

Co-requisites: LLB 160 and LLB 170 and LLB 190 and LLB 140**Subject Description:** Building on the inter-disciplinary and 'in-context' foundation established by Criminal Law and the Process of Justice A, this subject examines a range of criminal law offences, including homicide, property offences, and drug offences, as well as selected defences, and rules relating to attempts, complicity and conspiracy. In addition to developing familiarity with relevant principles, rules and procedures for each of these topics, students will be required to evaluate existing rules and procedures and consider reform alternatives.**LLB 190 Lawyers and Australian Society**

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 30 cp of 100 level LLB Subjects**Co-requisites:** LLB 160 and LLB 170 and LLB 180 and LLB 140

Exclusions: LLB 311

Subject Description: The aim of this subject is to encourage an analytical and thoughtful approach to aspects of law, legal practice, ethics and values. This subject will develop an understanding of the role of lawyers in Australian society and an appreciation of the laws, rules and conventions that influence and govern legal practice. This subject falls into two parts. 1) the nature of professionalism and ethics; the 'legal profession', its regulation, and its rules of conduct; and how the law in practice relate to access to justice 2) a practical or clinical element, in which students can observe and participate in the practice and operation of the law, through the Professional Experience Placement Program. Each student must undertake 1 Placement of 20 working days of professional experience. The Placement is undertaken after the course work in the subject has been completed and in the final 2 years of the degree.**LLB 200 Foundations of Law B***Not on offer in 2007***Credit Points:** 6**Pre-requisites:** LLB100 and LLB110**Co-requisites:** None

Exclusions: LLB222 Perspectives on Law

Subject Description: The subject explores the sources of law, the application of law and ways of arguing the law. It aims to contribute to students' foundational understanding of law and its place in Australian society by encouraging social and philosophical analysis of key issues dealt with in other areas of the first year LLB program.**LLB 210 Law of Contracts***Not on offer in 2007***Credit Points:** 8**Pre-requisites:** LLB100**Co-requisites:** None

Exclusions: LAW 210

Subject Description: LLB210 introduces students to the substantive law of contract. Using the casebook method, students study the legal principles governing the formation, performance and discharge of contracts. Topics

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	covered include the requirements for a valid contract (agreement, consideration and intention to create legal relations), finding and interpreting the terms of a contract, the impact of vitiating factors (such as misrepresentation, mistake, undue influence, duress and unconscionability), the operation of the doctrines of privity and frustration, and the consequences of performance, defective performance or non performance of a contract.	in plain language. An additional skills component in the subject is will drafting and the legislative, common law and equitable principles to be applied to estate succession.
Commerce	LLB 220 Property and Trusts A Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: LLB 170 Co-requisites: None Exclusions: LLB 305 Subject Description: Consideration of the notion of property and interests in property; the distinctions between real, personal and intangible property; the notions of ownership, title and possession; legal and equitable interests in property (including the resulting and constructive trust); legal protection of property interests. The law of landlord and tenant, easements and covenants.	LLB 260 Dispute Management Skills Autumn Wollongong On Campus Credit Points: 2 Pre-requisites: LLB 170 Co-requisites: None Exclusions: LLB 391 Subject Description: This subject deals with the continuum of dispute resolution procedures available in legal practice, including litigation, with emphasis on the skills of negotiation and mediation.
Creative Arts		LLB 270 Property and Trusts B Spring Wollongong On Campus Credit Points: 8 Pre-requisites: LLB 220 Co-requisites: None Exclusions: LLB 306 Subject Description: The modern law of real property, including Torrens title, mortgages and co-ownership. Legal and equitable principles relating to the validity of gifts. The law of express trusts, including the powers and obligations of trustees, and remedies of the beneficiary for breach of trust.
Education	LLB 230 Public Law A Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: LLB100 Co-requisites: None Exclusions: LLB 308 Subject Description: The notion of the state and state power; limitations on state power; the constitutional structure of the Australian nation-state; the notion of division and separation of powers; mechanisms of accountability and control of government officials, including access to government information, the Ombudsman, merits review tribunals and judicial review.	LLB 280 Public Law B Spring Wollongong On Campus Credit Points: 8 Pre-requisites: LLB 230 Co-requisites: None Exclusions: LLB 309 Subject Description: Division of power between Commonwealth and State legislatures; the structure and powers of State and Commonwealth governments, with special emphasis on the limitation of the legislative power of the Commonwealth; the place of the judiciary and judicial review of legislative power; Commonwealth and State fiscal powers; express and implied constitutional rights; constitutional change; the Constitution and Indigenous Australians.
Engineering		LLB 290 Legal Theory Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects including LLB160 Co-requisites: None Exclusions: PHIL270 or LLB312 Subject Description: This subject addresses a selection of issues in jurisprudence, including the nature of law, the basis for legal authority, the scope and limits of law, and the relationship between law, morality and values such as justice, liberty, pluralism, and autonomy.
Health & Behavioural Sciences	LLB 240 Law of Torts Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: LLB 170 Co-requisites: None Exclusions: LLB 307 Subject Description: After a general introduction to legal and policy issues surrounding tort law, Students will commence with a study of the torts of trespass, nuisance and the action on the case for wilful injury. Students will then spend time considering the principles governing liability in negligence. Finally, students will consider the impact of statute law on common law tort principles, in particular the recent attempts to limit civil liability.	LLB 300 Remedies and Procedure Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: LLB210 and LLB307 OR LLB 170 and LLB 240 Co-requisites: None Subject Description: The Remedies component of this subject explores the major legal and equitable remedies available in a civil action. These judicial remedies
Informatics		
Law	LLB 250 Drafting Skills Spring Wollongong On Campus Credit Points: 2 Pre-requisites: LLB 220 Co-requisites: LLB 270 Exclusions: LLB 393 Subject Description: The aim of this subject is to teach and reinforce the fundamental skills required to produce modern legal writing and drafting in professional legal practice in the private profession, or in the corporate or public sector. The skills focus is on planning, writing and reviewing legal documents such as letters and memoranda, as well as litigious and property and commercial documents, with clarity of expression	
Science		

are considered according to the particular purpose or goal that they are intended to achieve, including compensation, punishment, restitution and coercion. In addition, some attention is given to non-judicial (or 'self help') remedies. The Civil Procedure component of the subject examines pre-trial procedure in civil actions in the Supreme Court of New South Wales. Topics covered include determining who may be a party to the proceedings; choosing originating process; serving court process; pleading; bringing proceedings to an early end; obtaining discovery and administering interrogatories.

LLB 301 Evidence

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: LLB 304 and LLB 307

OR LLB 130, LLB 180 and LLB 240

Co-requisites: None

Subject Description: Students will be introduced to the rules relating to the sources and admissibility of evidence in civil and criminal trials. Topics will include the burden and standard of proof; the examination of witnesses; credibility, character and tendency evidence; documentary evidence; and the rules in relation to opinion evidence, hearsay, confessions and admissions; illegally obtained evidence; discretions and warnings.

LLB 302 Law of Business Organisations

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: LLB306

Co-requisites: None

Exclusions: LAW302

Subject Description: The subject introduces the central concerns of a law of organisations, and of the law of business organisations, and the public policies informing the development of the Australian legal response. The range of organisations available for business and non-business purposes and their legal regulation are overviewed. Partnerships and companies and their legal regulations are considered in depth, including current policy issues.

LLB 303 Family, Children and Welfare

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Exclusions: LAW303

Subject Description: The subject examines the legislative framework and common law principles applicable to both the legal recognition of relationships and the resolution of disputes arising from the breakdown of those relationships. Areas covered include: marriage; divorce; nullity; disputes in relation to children under the Family Law Act, 1975 (Cth); property and maintenance disputes for both married and non-married couples; child support and child maintenance; family violence under state and federal legislation; international abduction. The subject also looks at the related areas of state child welfare proceedings and adoption. The course examines what "family" means today and the challenges our legal system faces in dealing with this fluid concept and recognizing diverse family structures and relationships.

LLB 304 Criminal Law and the Process of Justice

Not on offer in 2007

Credit Points: 8

Pre-requisites: LLB100

Co-requisites: None

Exclusions: LAW304

Subject Description: This subject is an introduction to: concepts used in criminal laws; principles of criminal liability; major categories of offences and selected defences; and aspects of criminal procedure.

LLB 305 Property and Trusts A

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: LLB210

Co-requisites: None

Exclusions: LLB 220

Subject Description: Consideration of the notion of property and interests in property; the distinctions between real, personal and intangible property; the notions of ownership, title and possession; legal and equitable interests in property (including the resulting and constructive trust); legal protection of property interests. The law of landlord and tenant, easements and covenants.

LLB 306 Property and Trusts B

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: LLB305

Co-requisites: None

Exclusions: LLB270

Subject Description: The modern law of real property, including Torrens title, mortgages and co-ownership. Legal and equitable principles relating to the validity of gifts. The law of express trusts, including the powers and obligations of trustees, and remedies of the beneficiary for breach of trust.

LLB 307 Law of Torts

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: LLB210

Co-requisites: None

Exclusions: LLB240

Subject Description: After a general introduction to legal and policy issues surrounding tort law, Students will commence with a study of the torts of trespass, nuisance and the action on the case for wilful injury. Students will then spend time considering the principles governing liability in negligence. Finally, students will consider the impact of statute law on common law tort principles, in particular the recent attempts to limit civil liability.

LLB 308 Public Law A

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: LLB100

Co-requisites: None

Exclusions: LLB230

Subject Description: The notion of the state and state power; limitations on state power; the constitutional structure of the Australian nation-state; the notion of division and separation of powers; mechanisms of

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>accountability and control of government officials, including access to government information, the Ombudsman, merits review tribunals and judicial review.</p> <p>LLB 309 Public Law B Spring Wollongong On Campus Credit Points: 8 Pre-requisites: LLB308 Co-requisites: None Exclusions: LLB 280 Subject Description: Division of power between Commonwealth and State legislatures; the structure and powers of State and Commonwealth governments, with special emphasis on the limitation of the legislative power of the Commonwealth; the place of the judiciary and judicial review of legislative power; Commonwealth and State fiscal powers; express and implied constitutional rights; constitutional change; the Constitution and Indigenous Australians.</p>	<p>the basis for legal authority, the scope and limits of law, and the relationship between law, morality and values such as justice, liberty, pluralism, and autonomy.</p>
Commerce		<p>LLB 313 Legal Research Project A Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects Co-requisites: None Subject Description: A supervised research paper of no more than 10,000 words on a subject selected by the student and agreed with a supervisor by week 4 of the session of enrolment.</p>
Creative Arts		<p>LLB 316 Occupational Health and Safety Law Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects Co-requisites: None Exclusions: LAW316 Subject Description: This subject is concerned with the study of the legal regime governing health, safety and welfare of people at work in New South Wales. Its focus will be the Occupational Health and Safety Act 2000 and the Occupational Health and Safety Regulations 2001.</p>
Education		<p>LLB 317 E-Commerce Law Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 48 credit points of LLB Subjects Co-requisites: None Exclusions: LAW317 Subject Description: The subject explores some of the more significant legal and regulatory issues and developments that e-commerce gives rise to. The main perspective is that of the on-line business and its risk management needs for achieving business success. This brings the interests of suppliers consumers and regulators into focus. We begin with an overview of the cyber-marketplace and relevant public policy considerations. Then we adopt a timeline approach focusing on those issues and developments most relevant at start up and once the business opens for on-line trading. Start up introduces intellectual property law, privacy and transactional security issues and responses. On-line trading raises identity, contract, consumer protection, payment systems and jurisdictional issues and responses. Finally, we turn to an area for special study. Students will be invited to select that area, for example from among the issues and developments relating to the infrastructure constituting the cyber-marketplace.</p>
Engineering		
Health & Behavioural Sciences	<p>LLB 310 Law of Business Organisations Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: LLB270 Co-requisites: None Exclusions: LLB302 Subject Description: The subject introduces the central concerns of a law of organisations, and of the law of business organisations, and the public policies informing the development of the Australian legal response. The range of organisations available for business and non-business purposes and their legal regulation are overviewed. Partnerships and companies and their legal regulations are considered in depth, including current policy issues.</p>	
Informatics	<p>LLB 311 Lawyers and Australian Society Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: LLB304 Co-requisites: LLB210 Exclusions: LLB190 Subject Description: This subject falls into two parts. 1) the nature of professionalism and ethics; the 'legal profession', its regulation, and its rules of conduct; and how the law in practice relates to access to justice. 2) a practical or clinical element, in which students can observe and participate in the practice and operation of the law, through the Professional Experience Placement Program. Each student must undertake 2 placements the first of 20 working days of professional experience and the second of 30 hours of pro bono legal work. The Placement Program is usually undertaken after the Course work in the subject has been completed.</p>	
Law	<p>LLB 312 Legal Theory Spring Wollongong On Campus Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects including LLB222 Co-requisites: None Exclusions: PHIL270 or LLB290 Subject Description: This subject addresses a selection of issues in jurisprudence, including the nature of law,</p>	<p>LLB 320 Commercial and Consumer Contracts Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects Co-requisites: None Subject Description: The special rules relating to common commercial contracts, such as contracts of agency, contracts for the sale of goods, insurance contracts, and contracts of carriage; statutory restrictions on contracts.</p>
Science		

LLB 321 Banking Law

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 48 credit points of LLB subjects, including LLB306 and LLB302**Co-requisites:** None

Exclusions: LAW 321

Subject Description: LLB321 Banking Law is designed to develop in students a sound understanding of the law governing financial institutions in Australia, and the manner in which these institutions are regulated. The relationship between financial institutions and their customers will be examined, along with the impact of recent technological developments on this relationship and on the business of banking. The law dealing with cheques and other negotiable instruments will be discussed in detail. The issue of security for transactions with financial institutions will be analysed, along with the position of banks as creditors when a customer becomes bankrupt.

LLB 322 Objects and Subjects: Law, Things and Everyday Life

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 48 credit points of LLB subjects**Co-requisites:** None

Exclusions: LAW 322

Subject Description: What role do material objects play in the law and legal processes? Property, symbols, documents, land and buildings all combine with law to be part of everyday life. Law regulates use of these objects, while drawing on them for its own representations and effectiveness. We are legal subjects in many senses: we act as willing subjects in living our lives: buying and selling, entering into contracts, making decisions. We are also subject to the law. In each of these areas our relationship with the material world is critical: bodies, property and space are all critical interfaces between objects and subjects.

LLB 330 Law of Employment

Autumn Wollongong On Campus

Credit Points: 8**Pre-requisites:** 48 credit points of LLB subjects**Co-requisites:** None

Exclusions: LAW330

Subject Description: An overview of the rights and duties of individual employers and employees under common law and selected legislation, including: formation, content and termination of the contract of employment; implied duties of employers and employees; remedies at common law; statute-derived employment conditions; unfair dismissal legislation; unfair work contracts; occupational health and safety.

LLB 331 Intellectual Property Law

Autumn Wollongong On Campus

Credit Points: 8**Pre-requisites:** 48 credit points of LLB subjects**Co-requisites:** None

Exclusions: LAW331

Subject Description: This subject provides an overview of the field of intellectual property law commencing with an analysis of the 2 major and oldest forms of intellectual property - copyright and patents. The course then moves on to the methods of protecting business

reputation both at common law/equity, and through the registration of trade marks. Other more recent forms of intellectual property are also covered, such as plant breeder's rights, designs and circuit layouts.

LLB 332 Labour Regulation

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 48 credit points of LLB subjects**Co-requisites:** None

Exclusions: LAW332

Subject Description: This subject examines the legal regulation of work and labour relations in Australia. After analysing ideas and methods underpinning regulation of the 'labour market' by law, the current system under the Workplace Relations Act (Workchoices amendments) will be studied by reference to the history of labour regulation in Australia (common law, compulsory arbitration), comparisons with other countries, and international law under the International Labour Organisation. The subject will study regulation of institutions and relationships, standard minimum pay and conditions, grievance and dispute resolution (including unfair dismissal), individual and collective bargaining and agreements, regulation of trade unions, law of strikes and industrial action. Students will be assessed in this subject on their critical analysis and evaluation of complex issues, with a group research presentation, an individual research essay and a final exam.

LLB 334 Environmental Law*Not on offer in 2007***Credit Points:** 8**Pre-requisites:** 48 credit points of LLB subjects**Co-requisites:** None

Exclusions: Not to count with LAW334 or LLB3911

Subject Description: The goal of this subject is to enable candidates to develop a basic, critical understanding of the law in relation to environmental management in Australia, with particular emphasis on NSW, including the limitations of legal instruments in achieving environmental management and policy objectives, the assessment of development proposals and the role of the Land & Environment Court.

LLB 335 Anti-Discrimination Law

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 48 credit points of LLB Subjects**Co-requisites:** None

Exclusions: LAW335

Subject Description: An analysis and appraisal of laws prohibiting discrimination in Australia on various grounds, including: sex, marital status, carer responsibilities, race, disability, age, sexual preference and transgender. Laws prohibiting harassment and vilification will also be examined. The subject includes exploration of the aims and social context of anti-discrimination legislation, as well as related concepts such as equal opportunity, social justice and affirmative action. Examination of processes for complaints, dispute resolution and enforcement, and powers of investigative and adjudicatory bodies.

LLB 337 Comparative Studies in Law

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** 48 credit points of LLB subjects

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>Co-requisites: None</p> <p>Subject Description: A comparison of the French civil law with the common law of England and Australia, with the objective of developing an appreciation of different legal systems and approaches.</p>	<p>European colonisation, over-representation in the criminal justice system, land rights and native title, recognition of Indigenous law, and self-determination.</p>
Commerce	<p>LLB 339 Advanced Criminal Law and Procedure</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 credit points of LLB subjects including LLB304</p> <p>Co-requisites: None</p> <p>Subject Description: This subject critically examines the role of the criminal justice system in the regulation of individual and organisational behaviour. Selected alternatives to conventional 'command and control' regulation, and traditional criminal punishment are explored.</p>	<p>LLB 348 Media Law</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 credit points of LLB subjects</p> <p>Co-requisites: None</p> <p>Exclusions: LAW348</p> <p>Subject Description: The media plays an increasingly significant role in informing and constituting our society. The subject studies the main areas of Australian law that particularly affect the media and the diverse and competing public policy considerations that do or might justifiably underlie and shape that law.</p>
Creative Arts	<p>LLB 341 Revenue Law</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 credit points of LLB subjects</p> <p>Co-requisites: None</p> <p>Subject Description: Revenue Law, or taxation law, is one of the highly technical fields of law bringing together economic, accounting and financial concepts into a legal construct for the determination of how the costs of good government are to be shared among the members of society. Taxation pervades everyone's life in some way, whether in the form of income tax, for instance, or some form of consumption or other tax like the GST. LLB341 is confined to the Income Tax Assessment Act (1936/97), the Fringe Benefits Tax Assessment Act and associated legislation. These fields alone provide more than enough content for a one semester subject, but are essential for those students seeking registration as CPAs or Chartered Accountants after completing a combined Commerce/Law degree.</p>	<p>LLB 349 Feminism and Law</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 credit points of LLB subjects</p> <p>Co-requisites: None</p> <p>Subject Description: This subject introduces the major themes in feminist thought and modes of contemporary feminist scholarship and applies them to law, legal institutions and the practice of law in Australia. It provides a foundation for future analysis of substantive and procedural law by students and subjects the institutions of law and their practitioners to scrutiny from a feminist perspective.</p>
Education		<p>LLB 350 Special Study in Law A</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 credit points of LLB subjects and permission of Dean or Sub-Dean</p> <p>Co-requisites: None</p> <p>Subject Description: International and Comparative Indigenous Legal Issues</p>
Engineering		<p>LLB 351 Special Study in Law B</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 credit points of LLB subjects and permission of Dean or Sub-Dean</p> <p>Co-requisites: None</p> <p>Subject Description: A study in depth of a selected area of law.</p>
Health & Behavioural Sciences	<p>LLB 343 International Law</p> <p>Autumn Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 credit points of LLB subjects</p> <p>Co-requisites: None</p> <p>Exclusions: LAW343 or INTR900</p> <p>Subject Description: Sources of international law; the relationship between domestic law and international law; the law of treaties; the structure of the international legal system; statehood, state jurisdiction, and state responsibility.</p>	<p>LLB 352 Jessup International Law Moot</p> <p><i>Not on offer in 2007</i></p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 credit points of LLB subjects and permission of Dean or Sub-Dean</p> <p>Co-requisites: None</p> <p>Subject Description: The subject is to support the University's participation in the Phillip C. Jessup International Law Moot. The Jessup Moot is the largest mooting competition in the world. It typically attracts upwards of 500 law schools, and has operated for in excess of 40 years. The competition is based around a single international law problem, which teams prepare cases for both the application and respondent States. The problem is usually in excess of 10 pages in length, and raises many extreme complex legal issues. The competition takes place in two phases. All teams prepare written submissions,</p>
Informatics		
Law	<p>LLB 344 Indigenous Peoples and Legal Systems</p> <p>Spring Wollongong On Campus</p> <p>Credit Points: 8</p> <p>Pre-requisites: 48 Credit points of LLB subjects</p> <p>Co-requisites: None</p> <p>Exclusions: LAW344</p> <p>Subject Description: This subject is an introduction to the relationship between Indigenous and non-Indigenous laws and legal systems in Australia. It considers the nature and status of Aboriginal and Torres Strait Islander laws, and explores some of the specific legal issues of current relevance to Indigenous peoples in Australia. Topics include the impact of</p>	
Science		

called memorials, for each side of the problem. The memorials are limited to 25 pages in length, and are submitted in January. In any given moot, the memorials are worth one third of the available points. In addition, oral submissions are made by two team members, over 45 minutes, during which time they may be interrupted by questions from a bench of three judges. The team with the highest combined scores for memorials and oral submissions wins a particular moot. The size and scope of the problem means that it is not practical for an individual to ever become familiar with the entire problem in the time provided. As such, teams consist of up to five individuals. In Australia, these teams work on the problem over the summer, usually commencing work immediately following the final examinations.

LLB 354 Human Rights Law

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 48 credit points of LLB Subjects

Co-requisites: None

Subject Description: This subject introduces students to public international human rights law. It examines the major human right instruments and the major monitoring and enforcement procedures of the United Nation System.

LLB 355 Bankruptcy and Corporate Insolvency Law and Practice

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of

LLB subjects including LLB302

Co-requisites: None

Subject Description: In the wake of numerous recent and high profile 'corporate collapses', the subject will seek to give students an insight into the legal principles governing the consequent 'mopping-up' that must follow. The course will examine the duties of directors and companies in the period leading up to a corporate collapse and, will consider the position of creditors, employees and shareholders of the insolvent entity following the collapse. The role and duties of the various forms of administrator that may be appointed to an insolvent entity and the effect that such an appointment has on all who are involved with the entity will also be examined. Finally, the equivalent issues arising in relation to personal insolvency will be addressed.

LLB 356 Insurance Law

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Subject Description: This subject will give an introduction to the general principles of insurance law. Including an overview of the legislation that regulates insurance, particularly the Insurance Contracts Act 1984 (Cth) and the Insurance (Agents and Brokers) Act 1984 (Cth), as well as an examination of the common law relating to insurance law. Consideration of the fundamental principles in insurance law such as the duty of utmost good faith, the duty of disclosure, double insurance and subrogation. This subject is taught with an emphasis on the practical application of the principles of insurance law.

LLB 357 Conflict of Laws

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: LLB210 and LLB307

OR LLB170 and LLB240

Co-requisites: None

Subject Description: This elective subject will provide an overview of the legal principles that apply when a court in New South Wales (or a court exercising federal jurisdiction) hears a matter that involves events occurring, or persons resident, outside New South Wales (or in the case of a court exercising federal jurisdiction, outside Australia). These principles cover three main areas: (i) jurisdiction - in what circumstances will the forum court deal with a matter involving a "foreign" element?; (ii) choice of law - if the forum court does take jurisdiction, what law will it apply to dispose of the matter?; and (iii) foreign judgments - in what circumstances will a foreign judgment be recognised within the forum? The subject will consider the particular constitutional and statutory principles that apply to intra-Australian conflicts. Although conflict of laws principles apply to every area of private law, special attention in this subject will be given to the areas of tort, contract and family law.

LLB 358 Marine Resources Law

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of

LLB subjects including LLB308

Co-requisites: None

Subject Description: This elective subject will provide an overview of the legal rules that have developed to protect the marine environment. The subject will focus on the following areas: (i) the policy arena of marine environmental law (eg the application of sustainable development principles to the management of living marine resources); (ii) the philosophical underpinnings of access and control of marine resources (eg the public right to fish, "proprietary interests" in marine resources); (iii) international fisheries laws; (iv) the constitutional division of power for marine resource management; and (v) specific areas of topicality and legal uncertainty (eg marine protected areas, aquaculture development, integrated coastal zone management, offshore native title, enforcement issues).

LLB 359 Corporate Governance

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects including LAW 302

Co-requisites: None

Exclusions: LAW302

Subject Description: This subject will examine fundamental governance and regulatory issues. An emphasis will be placed on international and comparative corporate governance. Topics may include: theories of the corporation and their implications for corporate governance; the role of regulators in corporate governance; internal governance mechanisms; the role of shareholders, directors, management and auditors in corporate governance; directors' disclosure; insider trading; the role of institutional shareholders;

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

the role of non-executive directors; the remuneration debate; the role of the market in corporate governance; corporate social and environmental responsibility

LLB 360 Foreign Investment in the People's Republic of China

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Subject Description: An analysis of the laws and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.

LLB 362 Advanced Revenue Law

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 48 credit points of

LLB subjects including LLB341

Co-requisites: None

Subject Description: In this subject, students will be exploring selected aspects of income tax, capital gains tax, fringe benefits tax, the new goods and services tax and state taxes. The course is run on an intensive basis and features presentations from tax professionals, the Australian Tax Office, and the NSW Office of State Revenue.

LLB 363 Advanced Family Law

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: LLB 303

Co-requisites: None

Subject Description: LLB 303 Families Children and Welfare introduced students to the main legislative provisions, case law, principles and key issues in the area of family law. This subject builds on the content of LLB 303. It will look at some of the more complex topics covered in that subject in more detail and examine the interaction between family law and wider social issues as well as its interaction with other areas of law. LLB 363 will also involve critical analysis of the way Family Law is dealt with in Australia and give comparison with other jurisdictions. LLB 363 Advanced Family Law will focus on:- current issues in family law including recent legislative changes, self-represented litigants, relocation and other specific issues.- the family law's impact on and interaction with wider social issues.- the link between family law and other areas of substantive law including taxation law and social security law.- the role and duties of family lawyers.- critical examination of the family law legislative framework and identification of possible reform.- comparison of Australian family law with family law in other countries.

LLB 364 Islamic Law

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Subject Description: This subject is designed as an elective subject for students in the latter years of their LLB

studies. In the context of globalisation. There are over 1.4 billion Muslims today world-wide, over 20% of the world's population. There are 35 nations with population over 50% Muslim, and there are another 21 nations that have significant Muslim populations. Over 50 % of the world's Muslim population is in Australia's 'neighbour' region - Asia. In the context of a post-September 11 2001 globalised world, it is important that LLB students have the opportunity to develop their understanding of Islamic law - one of the most significant non-common law legal system in the world. This subject will allow students to better understand the current 'War on Terror' by illuminating one of the contexts - that of Islamic law - within which violent Islamist extremists claim justification for terrorist acts (falsely according to most Muslims). The subject will also facilitate understanding of how Islamic law operates in selected Southeast Asian countries with which Australia has economic, political, security and regional networks. In light of the progressive emergence of the global market, it is importance for law students to extend their knowledge of other legal systems.

LLB 365 International and Comparative Intellectual Property Law

Not on offer in 2007

Credit Points: 8

Pre-requisites: None

Co-requisites: 48 Credit Points LLB Subjects

Exclusions: LAW365, LLB9365

Subject Description: The subject will examine fundamental IP issues under the provisions of the major IP conventions, as well as domestic law of certain countries in Asia and the Pacific. Topics may include: the interface between IP protection and international trade; IP rights and parallel importation; the civil law concept of droit d'auteur ('author's right system') compared with 'copyright' in common law jurisdictions; IP evolving in cyberspace and access to and use of information technologies; the patenting of biotechnological products and processes, as well as socio-economic and ethical implications of biotechnological patenting; the protection of plant varieties and access to genetic resources and traditional knowledge; the patenting of pharmaceuticals and the problems relating to accessibility to medicines; the developing importance of geographical indications; the interface between competition law and IP law; protection of well-known marks; a comparative examination of the common law and civil law concepts of passing off and unfair competition; and WIPO Development Agenda.

LLB 366 Animal Law

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB

Subjects including LLB308

Co-requisites: None

Subject Description: This subject commences with a critical examination of the status of animals as property and the various theories that underpin the distinction between animal welfare and animal rights. Against this background, State and federal laws in relation to animals are reviewed, with a focus on the complex regulatory framework that governs animal welfare. With respect to the latter, a key issue is the validity of codes of practice developed by State/federal Ministerial Councils. The enforcement of animal welfare laws is also explored,

including the strengths and weaknesses of a charitable organisation, the RSPCA, acting as the main law enforcement body. Although the emphasis is on Australian law, some overseas developments are considered.

LLB 391 Dispute Management Skills

Autumn Wollongong On Campus

Credit Points: 2

Pre-requisites: LLB 210

Co-requisites: None

Exclusions: LLB 260

Subject Description: This subject deals with the continuum of dispute resolution procedures available in legal practice, including litigation, with emphasis on the skills of negotiation and mediation.

LLB 392 Communication Skills

Spring Wollongong On Campus

Credit Points: 2

Pre-requisites: LLB100

Co-requisites: None

Exclusions: LLB150

Subject Description: The skills of listening, observing, presenting ideas clearly in non-threatening and adversary contexts, and the differences between them; eliciting information; issues in cross cultural communication; difficulties in the use of interpreters and in eliciting information from children.

LLB 393 Drafting Skills

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 2

Pre-requisites: None

Co-requisites: LLB306

Exclusions: LLB250

Subject Description: The aim of this subject is to teach and reinforce the fundamental skills required to produce modern legal writing and drafting in professional legal practice in the private profession, or in the corporate or public sector. The skills focus is on planning, writing and reviewing legal documents such as letters and memoranda, as well as litigious and property and commercial documents, with clarity of expression in plain language. An additional skills component in the subject is will drafting and the legislative, common law and equitable principles to be applied to estate succession.

LLB 394 Advocacy Skills

Autumn Wollongong On Campus

Credit Points: 2

Pre-requisites: None

Co-requisites: LLB 304

Exclusions: LLB140

Subject Description: Introduction to the principles of advocacy, professional responsibility and courtroom etiquette, and criminal procedure. Exercises include practice court submissions and the preparation of written submissions.

LLB 396 Advanced Legal Skills

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects, including LLB391, LLB392, LLB393, LLB394, LLB311 or LLB 260, LLB 150, LLB 250, LLB 140, LLB 190

Co-requisites: None

Subject Description: This subject builds on the core skills program. Provides an opportunity to develop professional knowledge and skills. The subject contains seven modules: Professional Responsibility and Competent Practice; Problem Analysis; Dispute Resolution; Cross-Cultural Communication; Electronic Research; Writing and Drafting and Professional Experience Program. Students who complete this subject will be given advanced standing towards LLB 843, a subject undertaken as part of the Graduate Diploma in Legal Practice.

LLB 424 Joint Research Honours in Law and Another Discipline

Annual Wollongong On Campus

Credit Points: 24

Pre-requisites: Completed requirements to qualify for the LLB with a WAM of at least 70

Co-requisites: A 24 credit point Joint Honours program in another Faculty or CREA402

Subject Description: Students may gain Joint Honours by Research in the LLB and their other degree by completing this subject, an add-on Honours year. The program involves submission of a jointly supervised research thesis on a topic agreed between the Faculties, and written and oral presentations of intermediate tasks, including a research proposal and work in progress seminars. Joint Honours students attend certain seminars from the Honours program of each Faculty, determined by the Honours Coordinators of both academic units before the commencement of the first session of enrolment.

LLB 448 Research Honours in Law

Annual Wollongong On Campus

Credit Points: 48

Pre-requisites: Completed requirements to qualify for the LLB with a WAM of at least 70

Co-requisites: None

Subject Description: Students may gain Honours by Research in the LLB program by completing this subject, an add-on Honours year. The program involves submission of a supervised research thesis, and written and oral presentations of intermediate tasks, including a research proposal and work in progress seminars. Honours students join postgraduate research students for a seminar course run in Autumn session each year. This program introduces students to conceptual and methodological issues involved in developing and carrying out a project in a law related area of research. A coursework component may be included in individual cases.

LLB3911 Introduction to Natural Resources Law

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Exclusions: Not to count with LLB334. Enrolment in this subject must be approved by the subject co-ordinator.

Subject Description: Ownership of natural resources; the implications of the Commonwealth/State division of legislative powers for natural resources regulation; the historical development and structure of natural resources law; overlaps between regulatory

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	<p>authorities; forward planning and development control; environmental impact assessment law; the law relating to pollution and waste disposal.</p> <hr/> <p>LLB3913 Resources Decision-Making <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects Co-requisites: None Subject Description: Bureaucratic decision making processes; cost-benefit analysis; risk assessment; environmental impact assessment; public participation in decision-making processes; the role of the courts and adversarial methods of dispute resolution; public inquiries and other alternative forms of dispute resolution; scientific and legal forms of proof.</p> <hr/> <p>LLB3914 Mining Law <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects including LLB334 Co-requisites: None Subject Description: Ownership of minerals; the distinction between mining and extractive industry; exploration and mining titles under the mining and coal mining legislation; security of title; the relationship between mining legislation and environmental planning and assessment legislation.</p> <hr/> <p>LLB3918 Law of Land and Nature Conservation <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects including LLB334 Co-requisites: None Subject Description: The law relating to the use and conservation of native vegetation, including the setting up and management of special conservation areas, forestry in State forests and on privately owned land, agricultural land clearing. The law relating to the protection and exploitation of native fauna, including endangered species legislation and the law relating to access to genetic resources. The law relating to land degradation.</p> <hr/> <p>LLB3919 Water Resources Law <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects including LLB334 Co-requisites: None Subject Description: The law relating to the allocation of inland waters, including the licensing system and water rights, irrigation, domestic supply, regulation of activities on flood plains and extractive industries in watercourses, and catchment management. The law relating to the control of diffuse pollution.</p> <hr/> <p>LLB3920 Local Government Law and the Neighbourhood Environment <i>Not on offer in 2007</i> Credit Points: 8 Pre-requisites: 48 credit points of LLB subjects Co-requisites: None Subject Description: The development of local</p>
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

government in Australia. The law relating to the constitution, functions and powers of local government in terms of the ability of local government to assess and control development on private land and council land. Relations between local and higher levels of Government. The law relating to environmental planning and assessment by local government authorities. The financial context in which local government operates. The role of local government in regional context.

LLB3921 Marine Resources Law

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Exclusions: This subject is not available to students who have completed LLB334 Environmental Law
Subject Description: The legal regulation of the resources of the sea under the United Nations Convention on the Law of the Sea 1982 and its associated instruments, in particular, living resources in the exclusive economic zone (fisheries), non-living resources on the continental shelf (hydrocarbons); high seas fishing, sea-bed mining and ocean thermal energy. Analysis of domestic issues in the implementation of the international regime, within a multiple use conceptual framework.

LLB3923 Law of the Sea

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Subject Description: The evolving law of the sea from an historical perspective. The 1982 United Nations Convention on the Law of the Sea (LOSC) and its associated instruments. Maritime zones of jurisdiction and the navigational regime under LOSC. The major factors influencing the development of the law of the sea; the various interests involved in the law of the sea and how LOSC attempts to balance these interests.

LLB3924 International Environmental Law

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Subject Description: The relevant legal rules at the international level designed to protect the global environment. The historical development of these rules and the institutional framework within which they are made and enforced. The weaknesses of international environmental law, focusing on problems of domestic implementation.

LLB3927 Natural Resources Law Review

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects and approval the subject co-ordinator.

Co-requisites: None

Subject Description: Writing and editing of academic papers for the Australasian Journal of Natural Resources Law and Policy, a biannual

publication by the Faculty of Law and distributed worldwide. Student will work in consultation with the Managing Editor and the subject co-ordinator.

LLB3929 Special Studies in Natural Resources Law II

Not on offer in 2007

Credit Points: 8

Pre-requisites: 48 credit points of LLB subjects

Co-requisites: None

Subject Description: A study in depth of a selected area of Natural Resources Law.

SOC 244 Punishment: Purpose, Practice, Policy

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 36cp at 100 level

Co-requisites: None

Subject Description: Why do we punish those who break the law; what benefit is gained, and for whom, from imprisonment and other forms of criminal justice sanctions? Are jails for retribution, rehabilitation, deterrence, revenge, a symbol of control or order, a way to make us feel superior? Once some the reasons or justifications for punishment are addressed we look at some of the multiple ways to punish offenders and some policy options that can, or cannot make a difference. The course is an investigation into the more general issue of what we as a society get out of punishment and what it costs each of us, ie the differential impact of punishment on various sections of society.

SOC 349 Governing Society, the Self and the Social

Not on offer in 2007

Credit Points: 8

Pre-requisites: 16cp at 200-level

Co-requisites: None

Subject Description: How are your everyday practices governed or is being governed only for those who need it, those who transgress like deviants, the mentally ill, criminals, youth 'gangs', dole 'bludgers', welfare 'cheats', etc? Do we only experience government through institutions and their processes, for example, medicine, law and social security? The theory of governance or governmentality (how the social is governed) practices of self (how we govern our self) and neo-liberalism (the politics through which society is governed) will be used to address these questions. The theories will be linked to a number of current issues, for example, self-esteem, crime prevention, pumping iron at the gym and unemployment.

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science
------	----------	---------------	-----------	-------------	-------------------------------	-------------	-----	---------

Faculty of Science

Member Units

School of Biological Sciences

Department of Chemistry

School of Earth and Environmental Sciences

Degrees Offered

Bachelor of Science

Bachelor of Science Advanced (Honours)

Bachelor of Science (Honours)

Bachelor of Marine Science

Bachelor of Marine Science Advanced (Honours)

Bachelor of Marine Science (Honours)

Bachelor of Biotechnology

Bachelor of Biotechnology Advanced

Bachelor of Environmental Science

Bachelor of Environmental Science Advanced

Bachelor of Medicinal Chemistry

Bachelor of Medicinal Chemistry Advanced

Bachelor of Nanotechnology

Bachelor of Nanotechnology Advanced

International Bachelor of Science (Honours)

Double Degrees

Bachelor of Science - Bachelor of Arts

Bachelor of Science - Bachelor of Commerce

Bachelor of Science - Bachelor of Mathematics

Bachelor of Science - Bachelor of Laws (see Faculty of Law)

Bachelor of Computer Science - Bachelor of Science (see Faculty of Informatics)

Bachelor of Communication and Media Studies - Bachelor of Science (see Faculty of Arts)

Bachelor of Creative Arts - Bachelor of Science (see Faculty of Creative Arts)

Bachelor of Engineering - Bachelor of Science (see Faculties of Engineering and Informatics)

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/studentcontributions.html

International - www.uow.edu.au/prospective/international/fees/

This publication contains information which is current at December 2006. The University takes all due care to ensure the accuracy and currency of this information, but reserves the right to vary any information contained in this publication without notice. In particular, subject availability may change after the publication of the Handbook. For up-to-date subject information, students are advised to consult the online subject descriptions prior to enrolment, available at www.uow.edu.au/handbook/.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Faculty of Science Rules

All students enrolled in Faculty of Science degrees should note that:

1. they must satisfy the minimum mathematics requirement for all degrees offered by the Faculty of Science as set out in the Course Rules; (only candidates majoring in Human Geography are exempted from this rule)
2. a clear Pass (not a Pass Restricted/Pass Conceded grade) is required in a pre-requisite subject to progress to a higher level subject in disciplines within the Faculty of Science unless that pre-requisite is waived by a Head of the Academic Unit for a particular student in special circumstances;
3. a student must pass at least 24 credit points of 300-level subjects which form part of a Science major;
4. a student must pass the subjects listed as core at 300-level in a 3-year degree to graduate with that degree; and
5. only 60 credit points of 100-level subjects may be counted towards a degree.

Note: Students may obtain a copy of the Science Students' Guide from the Faculty Office, Room 41.258.

Bachelor of Science

Testamur Title of Degree:	Bachelor of Science
Abbreviation:	BSc
Home Faculty:	Science
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757621
CRICOS Code:	003283D

Overview

Students may gain a comprehensive education in Science by selecting a major study and a range of elective subjects. The major studies areas are Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology and Geosciences. Other interdisciplinary majors are Biotechnology, Ecology, Environment, Land and Heritage Management, Medicinal Chemistry and Nanotechnology.

The flexible structure of the major and electives allows students to design their study program to meet their particular interests and abilities. Students may combine their chosen Science major with a second major in Science, or a major chosen from outside the Faculty, or with a range of elective subjects.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 75 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Mathematics and any two units of Science. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Mid-year entry for the Bachelor of Science (Biological Sciences) must be in consultation with the Head of the School of Biological Sciences.

Course Requirements

Bachelor of Science requirements fall into one of three categories, as follows:

1. At least one major chosen from disciplines located in the Faculty of Science. A major study consists of at least 90 credit points from the Science Schedule (see list of subjects at the end of this degree entry) of which at least 60 credit points are from one of the Faculty of Science disciplines: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences.
The balance of 54 credit points (to a degree total of 144) may be chosen from either the Science Schedule or General Schedule and may include a second major or a selection of complementary or contrasting subjects, or other subjects with the approval of the Dean or Associate Dean. A minimum of 32 credit points at 300-level is required.
2. One major from within the Faculty of Science and a co-major from outside the Faculty. Approved co-majors

are: Computer Science, Human Resource Management, Management, Marketing, Mathematics/Applied Statistics, Nutrition, Physics, and Psychology. In this category, where an approved major is combined with a Science major, the requirement of at least 90 credit points from the Science Schedule is waived.

Note: Students wishing to undertake a major program involving a discipline outside of the Faculty of Science as in 2 above, must first obtain the approval of the Head of the relevant Department or School and verify their planned study program. Recommended major programs can be obtained from the Faculty of Science Office in Room 41.258.

3. One of the six interdisciplinary, prescribed majors, as follows (see separate course entry for each): Biotechnology, Ecology, Environment, Land and Heritage Management, Medicinal Chemistry, Nanotechnology
For the Bachelor of Science (Physics): Refer to the Faculty of Engineering.

Note: The Science Schedule list of subjects is provided at the end of this degree entry. The General Schedule is provided in at the end of the Handbooks.

Honours

Students with a good academic record, particularly in third year, are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides training in independent research.

Major Study Areas

Biological Sciences

The general aim of the degree courses offered by the School of Biological Sciences is to provide students, regardless of previous background, with a basic understanding of the major principles, concepts and technologies of modern Biology. A major in Biological Sciences can be taken in the fields of biochemistry, molecular biology, cell biology, immunology, comparative physiology, terrestrial ecology, marine biology, evolutionary biology and environmental biology.

Major Study

First year (BIOL103, 104) is a general, self-contained introduction to Biology as well as essential background for future years. Students wishing to major in Biological Sciences must also take both first year Chemistry subjects. Students are required to take four 200-level Biological Sciences subjects selected from the seven available. Note prerequisites for 3rd Year subjects when selecting the combination of 2nd Year subjects. Students proceeding to a Biological Sciences major are strongly encouraged to take more than the minimum array of Biological Sciences subjects, especially at second year.

Second Majors

Second majors with other Departments are also available. In particular, students interested in Biochemistry may take a second major in Chemistry; students interested in Ecology should consider a second major in Physical Geography; and students interested in comparative physiology should consider subjects from the Health and Behavioural Sciences schedule.

Subjects		Session	Credit Points
100-Level			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
	Total for major at 100-level		24
MATH151	General Mathematics 1A (if required)	Autumn or Summer	6

Note: Students wishing to take MARE200 and MARE300 should note that one of EESC102 Earth Environments and Resources or EESC112 Landscape Change and Climatology is required as a prerequisite.

200-Level

24 credit points from the following Biological Sciences subjects plus Statistics

BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	MARE200	Introduction to Oceanography	Autumn	6
	STAT252	Statistics for Natural Sciences	Spring	6
		Total for major at 200-level		30
	300-Level			
Commerce	All students majoring in Biological Sciences must take at least three 300-level subjects from the following lists.			
	Recommended subject combinations are as follows:			
	Option 1: Choose any three subjects from the following five subjects:			
	BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
Creative Arts	BIOL320	Molecular Cell Biology	Autumn	8
	BIOL321	Infection and Immunity	Spring	8
	BIOL332	Ecological and Evolutionary Physiology	Autumn	8
	CHEM320	Bioinformatics: From Genome to Structure	Spring	8
Education	Option 2: Choose any three subjects from the following four subjects:			
	BIOL332	Ecological and Evolutionary Physiology	Autumn	8
	BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
	BIOL355	Marine and Terrestrial Ecology	Spring	8
Engineering	MARE300	Fisheries and Aquaculture	Spring	8
	Students interested in including subjects outside of these combinations should discuss their choices with an Academic Advisor.			
		Total for major at 300-level		24
		Sub-total for major		78
Health & Behavioural Sciences	Plus additional subjects chosen from the Science Schedule			
				12
	Total for major			
				90
Science	Plus elective subjects chosen from the Science or General Schedules			
				54
	Note: The above degree structure must include a minimum of 32 credit points at 300-level			
		Degree Total		144
Informatics	400-Level - Honours			
	BIOL401	Biology Honours	Annual	48
	BIOL402	Biology Joint Honours	Annual	24
	BIOL403	Biology Honours Part 1 for Part-Time Students	Annual	24
Law	BIOL404	Biology Honours Part 2 for Part-Time Students	Annual	24
	Other Information			
	Notes on Biological Sciences major:			
	1. A fourth Biological Sciences 200-level subject may be waived for students taking a double major.			
Science	2. A Mathematics or Statistics subject acceptable to the School of Biological Sciences may be substituted for STAT252.			
	3. STAT252 may be waived for some programs combining 300-level Biological Sciences and another approved discipline.			
	Advanced Biology (BIOL392) is an 8-credit point project-based subject and Advanced Biology (BIOL391) is a 16-credit point project-based subject. These two subjects are available for high-quality students wishing to complement their coursework with research projects. Entry into these subjects is by permission of the Coordinator and requires a distinction average or higher performance in subjects pertinent to the intended area of research, as approved by the Head of School.			
	An elective subject, MARE357 - Advances in Molluscan Biology, is offered in Summer Session for students wishing to gain additional field experience.			
Science	Chemistry			
	Chemistry is the study of the molecular nature of all matter and its interactions. The relationship between its structure and a molecule's properties and reactivity give chemistry an essential, central position in science and technology. An understanding of chemistry is needed for the full gamut of technology-based disciplines from solid-state physics and astro-physics to molecular biology and the life sciences; from geochemistry and environmental science to engineering and health sciences. Completion of this major qualifies graduates for membership of the Royal Australian Chemical Institute.			

Major Study

A major in chemistry consists of two core 100- level subjects, and four core 200- level subjects, and an approved combination of 300- level subjects offered by the Department of Chemistry, with a value of at least 24 credit points. Students may use their elective credit points to complete a second major in another discipline.

Subjects		Session	Credit Points
100-Level			
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B : Structure and Reactivity of Molecules for Life	Spring	6
	Total for major at 100-level		12
200-Level			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry II	Spring	6
	Total for major at 200-level		24
300-Level			
At least three subjects taken from the following list:			
CHEM301	Advanced Materials and Nanotechnology	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM327	Environmental Chemistry	Autumn	8
CHEM340	Chemistry Laboratory Project	Autumn, Spring or Summer	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
	Total for major at 300-level		24
	Sub-total for major		60
Plus additional subjects chosen from the Science Schedule			30
Total for major			90
Plus elective subjects chosen from the Science or General Schedules			54
Note: The above degree structure must include a minimum of 32 credit points at 300-level			
Degree Total			144
400-Level – Honours			
CHEM401	Chemistry Honours	Annual	48
CHEM402	Chemistry Honours Part 1 for Part time students	Annual	24
CHEM403	Chemistry Honours Part 2 for Part time students	Annual	24
CHEM405	Chemistry Joint Honours	Annual	24

Other Information

The Department offers a third year research subject CHEM340 to students with a good academic record (usually a credit average or better) who wish to gain experience in research. Entry into this subject is by permission of the Head of Department.

Human Geography

Human Geography encompasses the study of human societies and human environments. Understanding and helping to resolve conflicts and crises makes Human Geography an immediately socially-relevant discipline. Human Geographers make an essential contribution to environmental management, urban planning, and the management of social and economic change. A human geography major may be usefully combined with a physical geography major.

Subjects		Session	Credit Points
100-Level			
EESC103	Landscape Change and Climatology	Autumn	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	EESC104	The Human Environment: Problems and Change	Spring	6
	Total for major at 100-level			12
	Recommended electives:			
	EESC101	Planet Earth	Autumn	6
Commerce	EESC102	Earth Environments and Resources	Spring	6
	200-Level			
	EESC205	Population Studies	Autumn	6
	EESC210	Social Spaces: Rural and Urban	Spring	6
Creative Arts	Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level. Recommended options include:			
	EESC204	Introductory Spatial Science	Autumn or Spring	6
	EESC206	Discovering Down Under: A Geography of Australia	Spring	6
	EESC208	Environmental Impact of Societies	Spring	6
Education	Total for major at 200-level			24
	300-Level			
	EESC307	Spaces, Places and Identities	Autumn	8
	EESC308	Environmental and Heritage Management	Spring	8
Engineering	Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level. Recommended options include:			
	EESC305	Remote Sensing of the Environment	Autumn	8
	EESC304	Geographic Information Science	Spring	8
	EESC310	Water Resources and Management	Spring	8
Health & Behavioural Sciences	Total for major at 300-level			24
	Sub-total for major			60
	Plus additional subjects chosen from the Science Schedule			30
	Total for major			90
Informatics	Plus elective subjects chosen from the Science or General Schedules			54
	Note: The above degree structure must include a minimum of 32 credit points at 300-level			
	Degree Total			144
	Other Information			
Law	Students are encouraged to choose elective subjects from the arts and social sciences, such as history, economics and sociology.			
	Physical Geography			
	Physical Geography is the study of patterns and processes in the environment caused by the forces of nature. It examines the environmental and ecological problems facing the world, and provides the skills and knowledge to assist in managing them. A Physical Geography major could be combined with a Human Geography major or a Geology major.			
Science	Subjects			Session
	100-Level			Credit Points
	EESC101	Planet Earth	Autumn	6
	EESC103	Landscape Change and Climatology	Autumn	6
	Total for major at 100-level			12
	Recommended electives:			
	EESC102	Earth Environments and Resources	Spring	6
	EESC104	The Human Environment: Problems and Change	Spring	6
	200-Level			
	EESC203	Biogeography and Environmental Change	Autumn	6
	EESC202	Soils, Landscapes and Hydrology	Spring	6
	Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level. Recommended options include:			

EESC204	Introductory Spatial Science	Autumn or Spring	6
EESC206	Discovering Down Under: A Geography of Australia	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6
	Total for major at 200-level		24
300-Level			
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
EESC302	Coastal Environments: Process and Management	Spring	8
Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level. Recommended options include:			
EESC305	Remote Sensing of the Environment	Autumn	8
EESC304	Geographic Information Science	Spring	8
EESC310	Water Resources and Management	Spring	8
	Total for major at 300-level		24
	Sub-total for major		60
Plus additional subjects chosen from the Science Schedule			30
	Total for major		90
Plus elective subjects chosen from the Science or General Schedules			54
Note: The above degree structure must include a minimum of 32 credit points at 300-level			
Degree Total			144

Geology

Geology is the study of the earth, the materials of which it is made, the processes that act on these materials, the products formed and the history of the planet and its life forms. Areas of specialised study include economic geology (coal, petroleum, uranium); geophysics; palaeontology; sedimentology; structural geology; stratigraphy; tectonics; volcanology and geochemistry. A Geology major can be combined with a second major in Physical Geography.

Subjects		Session	Credit Points
100-Level			
EESC101	Planet Earth	Autumn	6
EESC102	Earth Environments and Resources	Spring	6
	Total for major at 100-level		12
Recommended electives:			
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
200-Level			
EESC201	Earth Surface Processes and Products	Autumn	6
EESC202	Soils, Landscapes and Hydrology	Spring	6
Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level. Recommended options include:			
EESC204	Introductory Spatial Science	Autumn or Spring	6
EESC203	Biogeography and Environmental change	Autumn	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6
	Total for major at 200-level		24
300-Level			
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
EESC306	Resources and Environments	Spring	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level. Recommended options include:		
	EESC305	Remote Sensing of the Environment	Autumn 8
	EESC304	Geographic Information Science	Spring 8
	EESC310	Water Resources and Management	Spring 8
	Total for major at 300-level		24
Commerce	Sub-total for major		60
	Plus additional subjects chosen from the Science Schedule		30
	Total for major		90
	Plus elective subjects chosen from the Science or General Schedules		54
	Note: The above degree structure must include a minimum of 32 credit points at 300-level		
Creative Arts	Degree Total		144

Geosciences

A major in Geosciences offers a combined program of study in the two disciplines of Geography or Geology.

Subjects

100-Level

At least two subjects chosen from Earth and Environmental Sciences subjects at 100-level

200-Level

At least four subjects chosen from Earth and Environmental Sciences subjects at 200-level

300-Level

At least three subjects chosen from Earth and Environmental Sciences subjects at 300-level

Plus additional subjects chosen from the Science Schedule totalling 30 credit points

Plus additional subjects chosen from the Science or General Schedule totalling 54 credit points

Note: The above degree structure must include a minimum of 32 credit points at 300-level

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

Science Schedule of Subjects

The following are subjects offered by the Academic Units in the Faculty of Science, as well as subjects from outside the Faculty, that can be counted towards the 90 credit points of Science subjects required for a Bachelor of Science degree. The required 90 credit points must include a major study (or in some cases a minor study) in a discipline located in the Faculty of Science.

Biological Sciences

BIOL103	Molecules, Cells and Organisms	6
BIOL104	Evolution, Biodiversity and Environment	6
BIOL212	Introductory Microbiology and Immunology*	6
BIOL213	Principles of Biochemistry	6
BIOL214	The Biochemistry of Energy and Metabolism	6
BIOL215	Introductory Genetics	6
BIOL240	Functional Biology of Plants and Animals	6
BIOL241	Biodiversity: Classification and Sampling	6
BIOL251	Principles of Ecology and Evolution	6
BIOL292	Special Biology Studies	6
MARE200	Introduction to Oceanography	6
BIOL303	Biotechnology: Applied Cell and Molecular Biology	8
BIOL320	Molecular Cell Biology	8

BIOL321	Infection and Immunity	8
BIOL332	Ecological and Evolutionary Physiology	8
BIOL333	Frontiers in Field Physiology*	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	8
BIOL355	Marine and Terrestrial Ecology	8
BIOL356	Marine and Terrestrial Ecology (Environmental Science)	8
BIOL357	Field Methods in Ecology*	8
BIOL391	Advanced Biology	16
BIOL392	Advanced Biology	8
MARE300	Fisheries and Aquacultures	8
MARE357	Advances in Molluscan Biology	8
MARE393	Advanced Marine Science Project	8
	*Not offered in 2007	

Chemistry

CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	6
NANO101	Current Perspectives in Nanotechnology	6
CHEM211	Inorganic Chemistry II	6
CHEM212	Organic Chemistry II	6
CHEM213	Molecular Structure, Reactivity and Change	6
CHEM214	Analytical and Environmental Chemistry	6
CHEM215	Food Chemistry	6
CHEM218	Special Chemistry Studies	6
NANO201	Research Topics in Nanotechnology	6
CHEM301	Advanced Materials and Nanotechnology	8
CHEM314	Instrumental Analysis	8
CHEM320	Bioinformatics: From Genome to Structure	8
CHEM321	Organic Synthesis and Reactivity	8
CHEM327	Environmental Chemistry	8
CHEM330	Medicinal Chemistry	8
CHEM340	Chemistry Laboratory Project	8
CHEM350	Principles of Pharmacology	8
CHEM364	Molecular Structure and Spectroscopy	8
NANO301	Research Topics in Nanomaterials	8

Earth and Environmental Sciences

EESC101	Planet Earth	6
EESC102	Earth Environments and Resources	6
EESC103	Landscape Change and Climatology	6
EESC104	The Human Environment: Problems and Change	6
MARE200	Introduction to Oceanography	6
EESC201	Earth Surface Processes and Products	6
EESC202	Soils, Landscapes and Hydrology	6
EESC203	Biogeography and Environmental Change	6
EESC204	Introductory Spatial Science	6
EESC205	Population Studies	6
EESC206	Discovering Down Under: A Geography of Australia	6
EESC208	Environmental Impact of Societies	6
EESC210	Social Spaces: Rural and Urban	6
EESC250	Field Geology	6
EESC260	Earth and Environmental Sciences Research Project	6

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	EESC300	Directed Studies in Earth and Environmental Sciences A	8
	EESC301	Plate Tectonics, Macrotopography and Earth History	8
	EESC302	Coastal Environments: Process and Management	8
	EESC303	Fluvial Geomorphology and Sedimentology	8
	EESC304	Geographic Information Science	8
Commerce	EESC305	Remote Sensing of the Environment	8
	EESC306	Resources and Environments	8
	EESC307	Spaces Places and Identities	8
	EESC308	Environmental and Heritage Management	8
	EESC310	Water Resources and Management	8
Creative Arts	EESC350	Directed Studies in Earth and Environmental Sciences B	8
	ENVI391	Environmental Science	8
	General Science		
	SCIE101	Modern Perspectives in Science	6
	SCIE102	International Perspectives in Science	6
Education	SCIE202	Bioethical Challenges: A Global Perspective	6
	SCIE292	Science Research Internship	6
	SCIE392	Science Research Internship B	8
	Subjects offered by Academic Units external to the Faculty of Science:		
	BMS101	Systemic Anatomy	6
Engineering	BMS112	Human Physiology 1: Principles and Systems	6
	BMS202	Human Physiology II: Control Mechanisms	6
	BMS311	Nutrients and Metabolism	8
	BMS312	Research in Human Nutrition	8
	CIVL272	Surveying	6
Health & Behavioural Sciences	CIVL322	Hydraulics and Hydrology	6
	CIVL361	Geomechanics 1	6
	CIVL462	Geomechanics 2	6
	CIVL463	Geomechanics 3*	6
	CSCI103	Algorithms and Problem Solving	6
Informatics	CSCI114	Procedural Programming	6
	ENGG252	Engineering Fluid Mechanics	6
	ENVE220	Water Quality Engineering	6
	ENVE221	Air and Noise Pollution	6
	ENVE385	Environment Engineering	8
Law	ENVE420	Water Engineering*	6
	INFO411	Data Mining and Knowledge Discovery	6
	MATE201	Structure and Properties of Material	6
	MATE304	Transport Phenomena in Materials Processes	6
	MATH111	Applied Mathematical Modelling	6
Science	MATH121	Discrete Mathematics	6
	MATH141	Mathematics 1C Part 1	6
	MATH142	Mathematics 1C Part 2	6
	MATH161	Mathematics 1E Part 1	6
	MATH162	Mathematics 1E Part 2	6
	MATH187	Mathematics 1A Part 1	6
	MATH188	Mathematics 1A Part 2	6
	MATH151	General Mathematics 1A	6
	MATH201	Multivariate and Vector Calculus	6

MATH202	Differential Equations 2	6
MATH283	Mathematics IIE for Engineers Part 1	6
PHYS141	Fundamentals of Physics A	6
PHYS142	Fundamentals of Physics B	6
PHYS155	Introduction to Biomedical Physics	6
PHYS205	Advanced Modern Physics	6
PHYS206	Project in Physics	6
PHYS215	Vibrations, Waves and Optics	6
PHYS225	Electro Magnetism and Optoelectronics	6
PHYS233	Introduction to Environmental Physics	6
PHYS235	Mechanics and Thermodynamics	6
PHYS255	Radiation Physics	6
PHYS295	Astronomy: Concepts of the Universe	6
PHYS305	Quantum Mechanics	6
PHYS306	Project in Physics	6
PHYS325	Electromagnetism	6
PHYS335	Classical Mechanics	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X Rays	6
PHYS375	Nuclear Physics	6
PHYS385	Statistical Mechanics	6
PHYS390	Astrophysics	6
PHYS396	Electronic Materials	6
POP204	Epidemiology	6
STAT151	Introduction to the Concepts and Practice of Statistics	6
STAT252	Statistics for the Natural Sciences	6
STAT335	Sample Surveys and Experimental Design	6
*Not offered in 2007		

Bachelor of Science Advanced (Honours)

Testamur Title of Degree:	Bachelor of Science Advanced (Honours)
Abbreviation:	BSc Adv (Hons)
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	741A
UAC Code:	757601
CRICOS Code:	052463E

Overview

The Advanced Program, designed specifically for high achieving students, offers direct entry into Honours, unlike the normal BSc which delays selection for Honours until the completion of the third year.

It offers a greater degree of flexibility in program design through the opportunity to undertake individual research subjects at second, third and fourth year level; the opportunity to progress at a faster rate through the use of “fast tracking” mechanisms; the chance to participate in various enrichment activities and to develop a close association with an appropriate member of one of the Unit’s research teams. In the final year, all students undertake a substantial piece of supervised research in their major discipline together with other required seminar and/or course work.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of at least 90 (or equivalent). The UAI is reviewed each year. Assumed Knowledge: Mathematics and any two units of Science. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

BSc students with an exceptionally high level of performance in first year may enter the program on the recommendation of the Coordinator or Head of the Academic Unit or the invitation of the Dean. Transfer will not be considered before completion of the first year of the course and is based on at least a Distinction average (75%) taken over all subjects completed, and the approval of the Dean or Associate Dean.

Course Requirements

Study programs are structured on an individual basis in consultation with the Head of Department or School. Students are required to fulfil all the normal BSc and Honours requirements and may select their major study program from any of those available within the Faculty (refer to the information under Bachelor of Science and Bachelor of Science (Honours)).

Progression Requirements

In order to maintain a place in an Advanced Science degree, students are normally required to achieve at least a Distinction average (75%) in the 200 and 300 level subjects completed. The performance of each student will be initially reviewed by the Associate Dean after the completion of 72 credit points. Students will be interviewed by the Associate Dean or their degree coordinator at the end of their first year to assess their progress.

Honours

After fulfilling requirements for a Bachelor of Science, students automatically proceed to an Honours year in their chosen discipline. Research topics are subject to the availability of a supervisor.

Major Study Areas

Please refer to the information contained in the entries for Bachelor of Science (742).

Students select a major from those available in the Faculty:

- Biological Sciences
- Chemistry
- Human Geography
- Physical Geography
- Geology
- Geosciences
- Ecology
- Environment
- Land and Heritage Management

Other Information

Please note: Similar Advanced programs are also available to students wishing to undertake one of the specialist degrees: Bachelor of Biotechnology, Bachelor of Environmental Science, Bachelor of Marine Science, Bachelor of Medicinal Chemistry and Bachelor of Nanotechnology.

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

Bachelor of Science (Honours)

Testamur Title of Degree:	Bachelor of Science (Honours)
Abbreviation:	BSc(Hons)
Home Faculty:	Science
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	741
UAC Code:	N/A
CRICOS Code:	003126F

Overview

Students who have fulfilled the requirements of a Bachelor of Science with a major in a discipline offered by the Faculty, and achieved the required academic standard, may undertake an Honours degree – a year of research training in the discipline.

The honours degree provides students with the first real opportunity to undertake research on a topic of your interest. The honours year is particularly important as it represents a gateway to future research opportunities, both in the form of higher research degrees and as a career in research, or other vocations that require advanced analytical and research skills.

Entry Requirements / Assumed Knowledge

Students may apply to enrol in an Honours degree after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is usually an average of at least credit level for the 300-level subjects in the major study. Admission to Honours is by recommendation of the relevant Head of the Academic Unit and approval by the Dean or Associate Dean of the Faculty, and acceptance by an academic supervisor in the discipline.

By arrangement with the academic units involved, it is possible to undertake Joint Honours, a research thesis spanning two disciplines.

Students proceeding directly from a 3-year degree to Honours do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass Degree and then decide to undertake Honours at a later date, either at this University or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Requirements

To graduate with an Honours degree, candidates undertake a research thesis within their major study discipline, together with any required coursework.

In the Faculty of Science, Bachelor of Science Honours degrees can be taken in the following disciplines:

- Biological Sciences
- Chemistry
- Human Geography
- Physical Geography
- Geology
- Geosciences
- Ecology
- Environment
- Land and Heritage Management

Students enrol in the appropriate 400-level Honours for the particular discipline, as set out below.

Course Program

Subjects	Session	Credit Points
Biological Sciences, Environment (Biological Sciences Strand) or Ecology Honours		
BIOL401 Biology Honours	Annual	48

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	or			
	BIOL402	Biology Joint Honours	Annual	24
	or			
Commerce	BIOL403	Biology Honours Part 1 for Part-Time Students	Annual	24
	and			
	BIOL404	Biology Honours Part 2 for Part-Time Students	Annual	24
Creative Arts	Chemistry or Environment (Chemistry Strand) Honours			
	CHEM401	Chemistry Honours	Annual	48
	or			
Education	CHEM405	Chemistry Joint Honours	Annual	24
	or			
	CHEM402	Chemistry Honours Part 1 for Part Time students	Annual	24
Engineering	and			
	CHEM403	Chemistry Honours Part 2 for Part Time students	Annual	24
	Human Geography, Physical Geography, Geology, Geosciences, Environment (Geosciences Strand) or Land and Heritage Management Honours			
Health & Behavioural Sciences	EESC401	Earth and Environmental Science Honours	Annual	48
	or			
	EESC402	Earth and Environmental Science Joint Honours	Annual	24
Informatics	or			
	EESC404	Earth and Environmental Sciences Honours Part 1 (Part-Time Students)	Annual	24
	and			
Law	EESC405	Earth and Environmental Sciences Honours Part 2 (Part-Time Students)	Annual	24

Other Information

For further information contact the Head of the Academic Unit in the particular discipline, or the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/

Bachelor of Science (Biotechnology)

Testamur Title of Degree:	Bachelor of Science (Biotechnology)
Abbreviation:	BSc(Biotech)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757631
CRICOS Code:	003283D

Overview

Biotechnology is the application of exciting advances in molecular and cell biology to medicine, agriculture, and the environment. Through modern technologies, such as genetic engineering, biotechnology is shaping diverse aspects of medicine (cancer, vaccines, therapy and diagnosis of genetic diseases), food production (transgenic plants) and industry (bioremediation). Biotechnology encompasses the rapidly evolving fields of monoclonal antibody technology, proteomics and genetic engineering. A new generation of pharmaceuticals, vaccines, hormones and anti-inflammatory agents are being developed using these technologies.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 75 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Four units of Science (including Biology or Chemistry) or four units comprising Science and Mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects	Session	Credit Points
First Year		
BIOL103	Molecules, Cells and Organisms	Spring 6
BIOL104	Evolution, Biodiversity and Environment	Autumn 6
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn 6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring 6
MATH151	General Mathematics 1A (if required)	Autumn or Summer 6
Plus other elective subjects to give a total credit point value of 48, at least 6 of which should be one of the following:		
PHYS155*	Introduction to Biomedical Physics	Autumn 6
STS100#	Social Aspects of Science and Technology	Autumn 6
BMS101	Systemic Anatomy	Autumn 6
BMS112	Human Physiology I: Principles and Systems	Spring 6
* Strongly recommended		
# STS100 is compulsory for students taking an approved course of study which does not include STS251.		
Second Year		
BIOL213	Principles of Biochemistry	Autumn 6
BIOL214	The Biochemistry of Energy and Metabolism	Spring 6
BIOL215	Introductory Genetics	Spring 6
BIOL240	Functional Biology of Plants and Animals	Autumn 6
STAT252	Statistics for the Natural Sciences	Spring 6
CHEM212	Organic Chemistry	Autumn 6
CHEM214	Analytical and Environmental Chemistry II	Spring 6
Plus one of the following subjects:		
STS251	From Molecular Genetics to Biotechnology	Autumn 6
BMS202	Human Physiology II: Control Mechanisms	Autumn 6
MGMT208	Introduction to Management for Professionals	Autumn 6
Third Year		
Core		
BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn 8
CHEM320	Bioinformatics: From Genome to Structure	Spring 8
BIOL320	Molecular Cell Biology	Autumn 8
BIOL321	Infection and Immunity	Spring 8
Options		
Plus one Session 1 subject chosen from the following:		
CHEM350	Principles of Pharmacology	Autumn 8
BIOL332	Ecological and Evolutionary Physiology	Autumn 8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BIOL392	Advanced Biology	Autumn, Spring or Summer	8																					
	BMS344	Cardiorespiratory Physiology	Autumn	8																					
	Plus one Session 2 subject chosen from the following:																								
	CHEM321	Organic Synthesis and Reactivity	Spring	8																					
Commerce	BIOL392	Advanced Biology	Autumn, Spring or Summer	8																					
	PHIL380	Bioethics	Spring	8																					
	Or other subjects approved by the Coordinator																								
Creative Arts	Honours																								
	If the required academic standard is attained, the BSc (Biotechnology) student may transfer to the B Biotechnology fourth Honours year. This consists of special coursework plus a research project.																								
	Professional Recognition																								
Education	Graduates qualify to apply for membership of the Australian Institute of Biology, the Australian Society of Microbiology and the Australian Biotechnology Society.																								
	Other Information																								
	For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481. Web site: www.uow.edu.au/science/ . Or for more detailed course information contact the Professional Officer, Julie-Ann Green – School of Biological Sciences, Room 35.103, telephone (02) 4221 3100, email: jagreen@uow.edu.au . The Coordinator of the degree is Professor Mark Wilson – School of Biological Sciences.																								
Engineering	Bachelor of Science (Ecology)																								
	<table><tr><td>Testamur Title of Degree:</td><td>Bachelor of Science (Ecology)</td></tr><tr><td>Abbreviation:</td><td>BSc(Ecol)</td></tr><tr><td>Home Faculty:</td><td>Science</td></tr><tr><td>Duration:</td><td>3 years</td></tr><tr><td>Total Credit Points:</td><td>144</td></tr><tr><td>Delivery Mode:</td><td>Face-to-face</td></tr><tr><td>Starting Session(s):</td><td>Autumn</td></tr><tr><td>Location:</td><td>Wollongong</td></tr><tr><td>UOW Course Code:</td><td>742</td></tr><tr><td>UAC Code:</td><td>757621</td></tr><tr><td>CRICOS Code:</td><td>003283D</td></tr></table>				Testamur Title of Degree:	Bachelor of Science (Ecology)	Abbreviation:	BSc(Ecol)	Home Faculty:	Science	Duration:	3 years	Total Credit Points:	144	Delivery Mode:	Face-to-face	Starting Session(s):	Autumn	Location:	Wollongong	UOW Course Code:	742	UAC Code:	757621	CRICOS Code:
Testamur Title of Degree:	Bachelor of Science (Ecology)																								
Abbreviation:	BSc(Ecol)																								
Home Faculty:	Science																								
Duration:	3 years																								
Total Credit Points:	144																								
Delivery Mode:	Face-to-face																								
Starting Session(s):	Autumn																								
Location:	Wollongong																								
UOW Course Code:	742																								
UAC Code:	757621																								
CRICOS Code:	003283D																								
Health & Behavioural Sciences																									
Informatics																									
Law																									
Science	Overview																								
	The University has one of the strongest ecological research groups in Australia working in marine, freshwater and terrestrial ecology, tropical and temperate ecosystems. Study areas include applications of remote sensing and geographical information systems (GIS), the use of molecular genetics in conservation biology, biodiversity assessment/ sampling, environmental impact assessment and experimental ecology. Organisms studied include: endangered plants, marsupial pollinators, marine and arid land birds, invertebrates – from corals to ants and marine and freshwater fish.																								
	Entry Requirements / Assumed Knowledge																								
	New South Wales HSC University Admission Index (UAI) of 75 (or equivalent). The UAI is reviewed each year. Assumed Knowledge: Mathematics and any two units of science. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) will not meet the pre-requisite requirements for the first year Mathematics subjects in this specialisation.																								

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects	Session	Credit Points
----------	---------	---------------

First Year

BIOL104	Evolution, Biodiversity and Environment	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
MATH187	Mathematics 1A, Part 1 (or MATH141 or MATH161)	Autumn	6
MATH188	Mathematics 1A, Part 2 (or MATH142 or MATH162)	Spring	6

Plus 12 credit points of electives to be approved by the Coordinator

Second Year

BIOL240	Functional Biology of Plants and Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6
EESC204	Introductory Spatial Science	Autumn or Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6

One 6 credit point elective subject may be approved by the coordinator if MATH111 is taken in 1st year

Third Year

Core

BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8
STAT355	Sample Surveys and Experimental Design (with project)	Autumn	8

Options

Plus one of the following

BIOL332	Ecology and Evolutionary Physiology	Autumn	8
BIOL392	Advanced Biology	Autumn, Spring or Summer	8
MARE300	Fisheries and Aquaculture	Spring	8
EESC302	Coastal Environments: Process and Management	Spring	8

Or other subjects approved by the Coordinator.

Entry to BIOL392 would be subject to the student having a distinction average or higher performance in subjects pertinent to the intended area of research, as approved by the Head of School, and availability of a research supervisor.

Honours

Students with a good academic record, particularly in third year, are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides training in independent research.

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/.

The Course Coordinator is Associate Professor Kris French – School of Biological Sciences, Room 35.G06A, telephone (02) 4221 3655, email: kris@uow.edu.au.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Science (Environment)

Testamur Title of Degree:	Bachelor of Science (Environment)
Abbreviation:	BSc(Env)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757633
CRICOS Code:	003283D

Overview

The Bachelor of Science (Environment) offers two broad, flexible, multi-disciplinary three-year strands ideal for students wishing to complete a science-based environmental degree with a view to employment in an area of environmental assessment, management and policy development. Core subjects have been chosen with a view to providing the key workplace skills required in the environmental field, and appropriate disciplinary strands can be chosen from optional subjects.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 75 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Mathematics plus Biology or Chemistry or Geography or Earth and Environmental Sciences. Recommended studies include four units of Science (including Biology) and Mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

(a) Biological Sciences/Chemistry/Geosciences strand

Subjects	Session	Credit Points
Common First Year		
BIOL104 Evolution, Biodiversity and Environment	Autumn	6
CHEM101 Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
EESC101 Planet Earth	Autumn	6
EESC103 Landscape Change and Climatology	Autumn	6
BIOL103 Molecules, Cells and Organisms	Spring	6
CHEM102 Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
EESC102 Earth Environments and Resources	Spring	6
EESC104 The Human Environment: Problems and Change	Spring	6
Common Second Year		
BIOL251 Principles of Ecology and Evolution	Autumn	6
PHYS233 Introduction to Environmental Physics	Autumn	6
EESC203 Biogeography and Environmental Change	Autumn	6
STAT252 Statistics for the Natural Sciences	Spring	6
CHEM214 Analytical and Environmental Chemistry	Spring	6
EESC204 Introductory Spatial Science	Autumn or Spring	6

Options Plus 2 of the following subjects, one of which should be MATH151 if minimum Mathematics requirement not already met, as approved, for the balance of credit points to total 48.

MATH151	General Mathematics 1A (if required)	Autumn or Summer	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry	Autumn	6
MARE200	Introduction to Oceanography	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
EESC202	Soils, Landscapes and Hydrology	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology I	Summer	6

Third Year

Core

EESC304	Geographic Information Science	Spring	8
ENVI391	Environmental Science	Spring	8

Options

Plus 4 of the following subjects, as approved:

CHEM314	Instrumental Analysis	Autumn	8
CHEM327	Environmental Chemistry	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
EESC305	Remote Sensing of the Environment	Autumn	8
EESC306	Resources and Environments	Spring	8
EESC308	Environmental and Heritage management	Spring	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
EESC302	Coastal Environments: Process and Management	Spring	8
MARE300	Fisheries and Aquaculture	Spring	8
MARE357	Advances in Molluscan Biology	Summer	8

Or other subjects approved by the Coordinator

(b) Physical Sciences strand

Subjects

Session

Credit Points

Common First Year

CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
PHYS141	Fundamentals of Physics A	Autumn	6
PHYS142	Fundamentals of Physics B	Spring	6
MATH187	Mathematics 1A, Part 1 (or MATH141/161)	Autumn	6
MATH188	Mathematics 1A, Part 2 (or MATH142/162)	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
CSCI114	Procedural Programming	Autumn or Spring	6

Common Second Year

CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
PHYS230	Intermediate Physics	Annual	12
PHYS235	Mechanics and Thermodynamics	Autumn	6
PHYS233	Introduction to Environmental Physics	Autumn	6
MATH283	Mathematics IIE for Engineers Part 1	Spring	6

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	BIOL352	Biology for Environmental Engineers	Autumn	6																					
	Third Year																								
	Core																								
	PHYS375	Nuclear Physics	Spring	6																					
	CHEM314	Instrumental Analysis	Autumn	8																					
Commerce	CHEM327	Environmental Chemistry	Autumn	8																					
	ENVE221	Air and Noise Pollution	Spring	6																					
	EESC204	Introductory Spatial Science	Autumn or Spring	6																					
	OptionsPlus 2-3 of the following as approved to total a minimum of 48 cp:																								
	ENVE321	Solid and Hazardous Waste Management	Spring	6																					
Creative Arts	ENVE385	Environmental Engineering	Autumn	8																					
	EESC305	Remote Sensing of the Environment	Autumn	8																					
	PHYS305	Quantum Mechanics	Autumn	6																					
	PHYS335	Classical Mechanics	Autumn	6																					
	PHYS325	Electromagnetism	Autumn	6																					
CHEM364	Molecular Structure and Spectroscopy	Autumn	8																						
Education	Honours																								
	Students who have achieved the required standard would be eligible to enrol in Honours in their chosen discipline: Biological Sciences, Geosciences or Chemistry.																								
Engineering	Other Information																								
	For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481. Web site: www.uow.edu.au/science/ . The Degree Coordinator is Professor Colin Murray-Wallace – School of Earth and Environmental Sciences, Room 41.G14, telephone (02) 4221 4419, email: cwallace@uow.edu.au .																								
Health & Behavioural Sciences	Bachelor of Science (Land and Heritage Management)																								
	<table><tr><td>Testamur Title of Degree:</td><td>Bachelor of Science (Land and Heritage Management)</td></tr><tr><td>Abbreviation:</td><td>BSc(L&HM)</td></tr><tr><td>Home Faculty:</td><td>Science</td></tr><tr><td>Duration:</td><td>3 years</td></tr><tr><td>Total Credit Points:</td><td>144</td></tr><tr><td>Delivery Mode:</td><td>Face-to-face</td></tr><tr><td>Starting Session(s):</td><td>Autumn or Spring</td></tr><tr><td>Location:</td><td>Wollongong</td></tr><tr><td>UOW Course Code:</td><td>742</td></tr><tr><td>UAC Code:</td><td>757621</td></tr><tr><td>CRICOS Code:</td><td>003283D</td></tr></table>				Testamur Title of Degree:	Bachelor of Science (Land and Heritage Management)	Abbreviation:	BSc(L&HM)	Home Faculty:	Science	Duration:	3 years	Total Credit Points:	144	Delivery Mode:	Face-to-face	Starting Session(s):	Autumn or Spring	Location:	Wollongong	UOW Course Code:	742	UAC Code:	757621	CRICOS Code:
Testamur Title of Degree:	Bachelor of Science (Land and Heritage Management)																								
Abbreviation:	BSc(L&HM)																								
Home Faculty:	Science																								
Duration:	3 years																								
Total Credit Points:	144																								
Delivery Mode:	Face-to-face																								
Starting Session(s):	Autumn or Spring																								
Location:	Wollongong																								
UOW Course Code:	742																								
UAC Code:	757621																								
CRICOS Code:	003283D																								
Informatics	Overview																								
	This specialist program combines Physical and Human Geography with other relevant subjects to provide the skills and knowledge required for employment or research on both cultural and natural heritage issues.																								
Law	Entry Requirements / Assumed Knowledge																								
	New South Wales HSC University Admission Index (UAI) of 75 (or equivalent). The UAI is reviewed each year. Assumed Knowledge: Mathematics and any two units of Science. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.																								
Science	Course Requirements																								
	This is a prescribed program of study comprising core and optional subjects as set out below																								

Course Program

Subjects
First Year

Core

EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
MATH151	General Mathematics 1A (if required)†	Autumn or Summer	6

Options

EESC101	Planet Earth	Autumn	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6

Plus other elective subjects to total 48 credit points. Students are encouraged to select from the General Schedule offerings in History, Aboriginal Studies, STS and Legal Studies.

† required if entering the program without at least HSC Mathematics Band 4 or equivalent

Second Year

Core

EESC204	Introductory Spatial Science	Autumn or Spring	6
EESC210	Social Spaces: Rural and Urban	Spring	6
EESC203	Biogeography and Environmental Change	Autumn	6
EESC208	Environmental Impact of Societies	Spring	6

Plus at least TWO subjects chosen from:

Options

EESC202	Soils, Landscape and Hydrology	Spring	6
EESC206	Discovering Down-under: a Geography of Australia	Spring	6
EESC205	Population Studies	Autumn	6
BIOL251	Principles of Ecology and Evolution	Autumn	6

Plus elective subjects to total 12 credit points

Third Year

Core

EESC308	Environmental and Heritage Management	Spring	8
EESC307	Spaces, Places and Identities	Autumn	8
EESC304	Geographic Information Systems	Spring	8

Options

Plus THREE of the following:

EESC302	Coastal Environments: Process and Management	Spring	8
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
EESC305	Remote Sensing of the Environment	Autumn	8
EESC310	Water Resources and Management	Spring	8
EESC300	Directed Studies in Earth and Environmental Sciences	Autumn or Spring	8

Or other subjects approved by the Coordinator

Honours

Students with a good academic record, particularly in third year are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides training in independent research.

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Web site: www.uow.edu.au/science/.

The Course Coordinator is Professor Lesley Head – School of Earth and Environmental Sciences, Room 41.G31, telephone (02) 4221 3124, email: lhead@uow.edu.au.

Bachelor of Science (Medicinal Chemistry)

Testamur Title of Degree:	Bachelor of Science (Medicinal Chemistry)
Abbreviation:	BSc (Med Chem)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757624
CRICOS Code:	003283D

Overview

The Bachelor of Science (Medicinal Chemistry) is a three-year degree which provides students with an excellent training in modern techniques of chemical science applied to medicine. This includes specialised courses in drug discovery and design, using both rational, computer-aided and bioprospecting approaches. It also gives students the training in physiology, pharmacology and other areas needed to understand the effects of disease states on the human body and the role of drugs and other ways of chemical intervention. Students who meet the criteria are eligible to transfer to the Bachelor of Medicinal Chemistry Honours program.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 75 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Chemistry and Mathematics. Students who had not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects	Session	Credit Points
First Year		
CHEM101 Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102 Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
BIOL103 Molecules, Cells and Organisms	Spring	6
BMS101 Systemic Anatomy	Autumn	6
STAT252 Statistics for the Natural Sciences	Spring	6
BMS112 Human Physiology I: Principles and Systems	Spring	6
Plus two of the following subjects:		
BIOL104 Evolution, Biodiversity and Environment	Autumn	6
BMS103 Human Growth, Nutrition and Exercise	Autumn	6
MATH151 General Mathematics 1A (if required)	Autumn or Summer	6
MATH141 Mathematics 1C Part 1	Autumn	6
MATH187 Mathematics 1A Part 1	Autumn	6
PHYS141 Fundamentals of Physics A	Autumn	6

OR			
PHYS155	Introduction to Biomedical Physics	Autumn	6
The Mathematics subject to study is dependent on the level of Maths already achieved by the individual student (HSC or equivalent).			
Second Year			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry II	Spring	6
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
Third Year			
Core			
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM330	Medicinal Chemistry	Spring	8
CHEM350	Principles of Pharmacology	Autumn	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
Options			
Plus one of the following subjects:			
CHEM314	Instrumental Analysis	Autumn	8
CHEM340	Chemistry Laboratory Project (Restricted Entry)	Autumn, Spring or Summer	8
BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
Or other subjects approved by the Coordinator			

Honours

If the required academic standard is attained the BSc(Medicinal Chemistry) student may transfer to the B Medicinal Chemistry fourth Honours year. This consists of special coursework plus a research project.

Professional Recognition

This degree structure is designed basically to meet the qualifying standards of the Royal Australian Chemistry Institute, and students meeting the course requirements will be eligible for corporate membership of the Institute as Chartered Chemists.

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/.

The Degree Coordinator is Associate Professor Paul Keller – Department of Chemistry, Room 18.222, telephone (02) 4221 4692, email: keller@uow.edu.au.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Science (Nanotechnology)

Testamur Title of Degree:	Bachelor of Science (Nanotechnology)
Abbreviation:	BSc (Nanotech)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757627
CRICOS Code:	003283D

Overview

This 3-year coursework interdisciplinary degree in Nanotechnology is a joint offering from the Faculties of Engineering and Science. The degree targets the emerging field of nano-materials, molecular machines and nano-science.

The course will draw on strengths in the Faculties of Science and Engineering and a major strength in research at UOW, namely the 3 materials based Institutes: Intelligent Polymer Research Institute, Institute for Superconducting and Electronic Materials, and the BlueScope Steel Metallurgy Centre as well as the ARC Centre for Nanostructured Electromaterials. One of the main aims is to produce high quality graduates to feed into post-graduate programs within the Materials Institutes and other research units at UOW.

This course has a materials chemistry focus with possible elective subjects in physics, engineering (eg. mechatronics) and biology. There are a total of 5 elective subjects giving students scope to match the course to their interests whilst retaining a core focus on molecular design and characterization of materials at the nano-dimension. The course includes four specially designed subjects that will be mainly research oriented and combine lectures, laboratory and project work. This will give students from first year onwards a taste of where leading research in nanotechnology is heading. The research units will contribute significantly to these new subjects.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 75 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Chemistry, Physics and Mathematics. Students who have not completed Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) will not meet the pre-requisite requirements for the first year Mathematics subjects in this specialisation.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects	Session	Credit Points
First Year		
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn 6
PHYS141	Fundamentals of Physics A	Autumn 6
MATH187/MATH141	General Mathematics 1A Part 1/1C Part 1	Autumn 6
NANO101	Current Perspectives in Nanotechnology	Spring 6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring 6
ENGG153	Engineering Materials	Autumn 6
PHYS142	Fundamentals of Physics B	Spring 6
MATH188/MATH142	Mathematics 1A Part 2/1C Part 2	Spring 6
Second Year		
CHEM212	Organic Chemistry II	Autumn 6

MATE201	Structure and Properties of Materials	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
NANO201	Research Topics in Nanotechnology	Spring	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM211	Inorganic Chemistry II	Autumn	6
Plus two of the following electives:			
Materials Chemistry Stream			
CHEM214	Analytical and Environmental Chemistry	Spring	6
MATE204	Mechanical Behaviour	Spring	6
Physics Stream			
MATH212	Applied Mathematical Modelling	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
Mechatronics Stream			
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design for Innovation	Spring	6
Other subject options			
BIOL103	Molecules, Cells and Organisms	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
Third Year			
Core			
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
MATE202	Thermodynamics and Phase Equilibria	Autumn	6
NANO301	Research Project in Nanomaterials	Autumn	8
CHEM301	Advanced Materials and Nanotechnology	Spring	8
MATE303	Ceramics, Glasses and Refractories	Spring	6
Options			
Plus two of the following electives:			
Materials Chemistry Stream			
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
MATE301	Engineering Alloys	Autumn	6
MATE306	Degradation of Materials	Spring	6
Physics Stream			
PHYS305	Quantum Mechanics	Autumn	6
PHYS363	Advanced Photonics	Spring	6
PHYS396	Electronic Materials	Spring	6
Mechatronics Stream			
ENGG251	Mechanics of Solids	Autumn	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
MECH215	Fundamentals of Machine Component Design	Spring	6
Other subject options			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
Or other subjects approved by the Coordinator			

Honours

If the required academic standard is attained the BSc (Nanotechnology) student may transfer to the Bachelor of Nanotechnology fourth Honours year. This consists of special coursework plus a research project.

Arts	Commerce	Creative Arts	Education	Engineering	Health & Behavioural Sciences	Informatics	Law	Science

Professional Recognition

Students may choose options enabling them to graduate and be eligible for accreditation with the Royal Australian Chemical Institute (RACI).

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/.

The Degree Coordinators are Professor Will Price – Department of Chemistry, Faculty of Science, Room 18.102A, telephone: (02) 4221 3509, email: wprice@uow.edu.au and Professor Geoff Spinks – School of Mechanical, Materials and Mechatronic Engineering, Faculty of Engineering, Room 1.111, telephone: (02) 4221 3010, email: gspinks@uow.edu.au.

Bachelor of Marine Science Bachelor of Marine Science Advanced (Honours)

Testamur Title of Degree:	Bachelor of Marine Science, Bachelor of Marine Science Advanced (Honours)
Abbreviation:	BMarSc, BMarSc Adv (Hons)
Home Faculty	Science
Duration:	3 years, 4 years
Total Credit Points:	144 or 192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	789, 789A
UAC Code:	757622, 757623
CRICOS Code:	039553A

Overview

The Bachelor of Marine Science is a 3-year coursework program with a broad emphasis on the marine sciences taught jointly by the School of Biological Sciences and the School of Earth and Environmental Sciences. The program consists of core subjects in each of the three years plus a flexible range of optional subjects.

At Second Year students choose either a single strand in Marine Biology or Marine Geosciences or a combination of these specialisations. Subjects from across the ranges of relevant disciplines have been included together with a number of specially designed marine subjects.

Entry Requirements / Assumed Knowledge

Bachelor of Marine Science (789): New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Marine Science Honours Advanced (789A): New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Four units of science (including Biology or Chemistry) or four units comprising Science and Mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Marine Science (789):

This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Marine Science (Honours) Advanced (789A):

Students who are eligible for this degree fulfil all the same requirements as Bachelor of Marine Science candidates but are also eligible for additional benefits and challenges, and proceed directly to a fourth Honours year. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects **Session** **Credit Points**

Common First Year

Core

EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
MATH151	General Mathematics 1A (required if entering the program without at least HSC Mathematics Band 4 or equivalent)	Autumn or Summer	6

Options

Select one or two of the following to total 48 cps at first year:

EESC101	Planet Earth	Autumn	6
EESC104	The Human Environment	Spring	6
PHYS233	Introduction to Environmental Physics	Autumn	6
STS112	Revolutions in Science: History, Philosophy and Politics of Science	Spring	6
STS116	Environment in Crisis: Technology and Society	Spring	6
MATH111	Applied Mathematical Modelling I	Spring	6
MGMT110	Introduction to Management	Autumn or Spring	6

Or 1-2 elective 100 or 200 level subjects chosen from the Science or General Schedule

At Second Year students choose either a single strand in Marine Biology or Marine Geosciences or a combination of these specialisations. Any variations on the strands and pathways listed below require approval by the degree coordinator. Note that optional subjects selected in Year 2 must be chosen to satisfy prerequisites required for Year 3 subjects.

Second Year Marine Biology Strand – Marine Ecology Pathway

Core

MARE200	Introduction to Oceanography	Autumn	6
EESC204	Introductory Spatial Science	Autumn or Spring	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6

Options

Plus one of the following two subjects:

EESC201	Earth Surface Processes and Products	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6

Plus 1 of the following three subjects:

CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6

Third Year

Core

MARE300	Fisheries and Aquaculture	Spring	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Options			
	Plus one of the following three subjects:			
	EESC305	Remote Sensing of the Environment	Autumn	8
Commerce	MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8
	STAT355	Sample Surveys and Experimental Design (with project)	Autumn or Spring	8
	Plus one of the following four subjects:			
Creative Arts	EESC302	Coastal Environments: Process and Management	Spring	8
	EESC304	Geographic Information Science	Spring	8
	MARE357	Advances in Molluscan Biology	Summer	8
Education	MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8
	Or other subjects approved by the Coordinator			
	Second Year Marine Biology Strand – Biotechnology Pathway			
Engineering	Core			
	MARE200	Introduction to Oceanography	Autumn	6
	BIOL213	Principles of Biochemistry	Autumn	6
Health & Behavioural Sciences	BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
	BIOL215	Introductory Genetics	Spring	6
	BIOL241	Biodiversity: Classification and Sampling	Spring	6
Informatics	BIOL251	Principles of Ecology and Evolution	Autumn	6
	BIOL240	Functional Biology of Plants and Animals	Autumn	6
	STAT252	Statistics for the Natural Sciences	Spring	6
Law	Third Year			
	Core			
	MARE300	Fisheries and Aquaculture	Spring	8
Science	BIOL355	Marine and Terrestrial Ecology	Spring	8
	Options			
	Plus three of the following four subjects			
	BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
	BIOL320	Molecular Cell Biology	Autumn	8
	BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
	BIOL332	Ecological and Evolutionary Physiology	Autumn	8
	Plus one of the following four subjects			
	BIOL321	Infection and Immunity	Spring	8
	CHEM320	Bioinformatics: From Genome to Structure	Spring	8
	MARE357	Advances in Molluscan Biology	Summer	8
	MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8
	Or other subjects approved by the Coordinator			
	Second Year			
	Marine Geosciences Strand			
	Note: It is possible to take a double major (Marine Biology-Marine Geosciences) in the Marine Geosciences Strand.			
	BIOL251	Principles of Ecology and Evolution	Autumn	6
	EESC201	Earth Surface Processes and Products	Autumn	6
	EESC203	Biogeography and Environmental Change	Autumn	6
	MARE200	Introduction to Oceanography	Autumn	6
	BIOL241	Biodiversity: Classification and Sampling	Spring	6

EESC204	Introductory Spatial Science	Autumn or Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
Plus one of the following three subjects			
CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6

Third Year

Core

EESC305	Remote Sensing of the Environment	Autumn	8
EESC302	Coastal Environments: Process and Management	Spring	8

Options

Plus two of the following four subjects

BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8

Plus two of the following seven subjects

BIOL355	Marine and Terrestrial Ecology	Spring	8
EESC304	Geographic Information Science	Spring	8
EESC306	Resources and Environments	Spring	8
EESC308	Environmental and Heritage Management	Spring	8
MARE300	Fisheries and Aquaculture	Spring	8
MARE357	Advances in Molluscan Biology	Summer	8
MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8

Or other subjects approved by the Coordinator

Honours

Students may apply to enrol in an Honours degree, Bachelor of Marine Science (Honours) (789M) after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally an average of at least credit level for the 300-level subjects in the major study. Admission to Honours is by recommendation of the degree Coordinator and approval of the Dean or Associate Dean.

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/biol/marine/index.html.

The Coordinator is Associate Professor Andy Davis – School of Biological Sciences, Room 35.G01D, telephone (02) 4221 3432, email: adavis@uow.edu.au.

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
Science	

Bachelor of Marine Science (Honours)

Testamur Title of Degree:	Bachelor of Marine Science (Honours)
Abbreviation:	BMarSc(Hons)
Home Faculty:	Science
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	789M
UAC Code:	N/A
CRICOS Code:	048494K

Overview

Students who have fulfilled the requirements of a Bachelor of Marine Science, and achieved the required academic standard, may undertake an Honours degree – a year of research training in the discipline.

The Honours degree provides you with the first real opportunity to undertake research on a topic of your interest.

The Honours year is particularly important as it represents a gateway to future research opportunities, both in the form of higher research degrees and as a career in research, or other vocations that require advanced analytical and research skills.

Entry Requirements / Assumed Knowledge

Students may apply to enrol in an Honours degree after the requirements of the Pass degree have been fulfilled, normally at the prescribed academic standard. This standard is usually an average of at least credit level for the 300-level subjects in the major study. Admission to Honours is by recommendation of the relevant Head of the Academic Unit and approval by the Dean or Associate Dean of the Faculty, and acceptance by an academic supervisor in the discipline.

By arrangement with the academic units involved, it is possible to undertake Joint Honours, a research thesis spanning two disciplines.

Students proceeding directly from a 3-year degree to Honours do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass degree and then decide to undertake Honours at a later date, either at this University or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Requirements

To graduate with a Bachelor of Marine Science Honours degree, candidates undertake a Marine Science research thesis together with any other required assignments and seminars. Students enrol in the appropriate 400-level Honours subject, as follows.

Course Program

Subjects	Session	Credit Points
Marine Science Honours		
MARE401 Marine Science Honours	Annual	48

Other Information

For further information contact the Head of the Academic Unit in the particular discipline, or the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/.

Marine Science Honours Coordinator: Associate Professor Andy Davis – School of Biological Sciences, Room 35.G01D, telephone (02) 4221 3432, email: adavis@uow.edu.au.

Bachelor of Biotechnology

Bachelor of Biotechnology Advanced

Testamur Title of Degree:	Bachelor of Biotechnology, Bachelor of Biotechnology Advanced
Abbreviation:	BBiotech, BBiotech Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	744, 744A
UAC Code:	757611, 757617
CRICOS Code:	006975G

Overview

Biotechnology is the application of exciting advances in molecular and cell biology to medicine, agriculture, and the environment. Through modern technologies, such as genetic engineering, biotechnology is shaping diverse aspects of medicine (cancer, vaccines, therapy and diagnosis of genetic diseases), food production (transgenic plants) and industry (bioremediation).

Biotechnology encompasses the rapidly evolving fields of monoclonal antibody technology, proteomics and genetic engineering. A new generation of pharmaceuticals, vaccines, hormones and anti-inflammatory agents are being developed using these technologies.

The degree is an interdisciplinary program featuring:

- A major in cellular and molecular biology, including genetics, immunology, bioinformatics;
- A major strand of chemistry;
- Skills in “state-of-the-art” nucleic acid, protein and monoclonal antibody technologies;
- An optional strand in human anatomy and physiology;
- Other relevant areas such as ethics and management;
- The flexibility in first year to explore other options;
- Specialised training in “cutting-edge” technologies in the fourth year
- Your own research project (4 year Honours).

Entry Requirements / Assumed Knowledge

Bachelor of Biotechnology (744): New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Biotechnology Advanced (744A): New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Four units of Science (including Biology or Chemistry) or four units comprising Science and Mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Biotechnology:

This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Biotechnology Advanced:

Students who are eligible for this degree fulfil all of the same requirements as Bachelor of Biotechnology candidates but are also eligible for additional benefits and challenges. For further information refer to the entry for the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Progression Requirements:

Students must satisfactorily complete at least 144 credit points before proceeding to enrol in fourth year subjects. In addition, satisfactory performance must be achieved (an average of 65% or greater in 300-level Biological Sciences, Chemistry and Biomedical Science subjects) for entry into the 4th year of the Bachelor of Biotechnology degree. Students with an average below 65% in 300-level Biological Sciences, Chemistry and Biomedical Science subjects may only progress into the 4th year of the Bachelor of Biotechnology with the approval of the Head of the School of Biological Sciences. Students who do not gain entry into the 4th year of the Bachelor of Biotechnology degree will normally be required to transfer into the Bachelor of Science (Biotechnology) degree.

Course Program

Subjects	Session	Credit Points
First Year		
BIOL103 Molecules, Cells and Organisms	Spring	6
BIOL104 Evolution, Biodiversity and Environment	Autumn	6
CHEM101 Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102 Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
MATH151 General Mathematics 1A (if required)	Autumn or Summer	6
Plus other elective subjects to give a total credit point value of 48, at least 6 of which should be one of the following:		
PHYS155* Introduction to Biomedical Physics	Autumn	6
STS100# Social Aspects of Science and Technology	Autumn	6
BMS101 Systemic Anatomy	Autumn	6
BMS112 Human Physiology I: Principles and Systems	Spring	6
* Strongly recommended		
# STS100 is compulsory for those students taking an approved course of study which does not include STS251.		
Second Year		
BIOL213 Principles of Biochemistry	Autumn	6
BIOL214 The Biochemistry of Energy and Metabolism	Spring	6
BIOL215 Introductory Genetics	Spring	6
BIOL240 Functional Biology of Plants and Animals	Autumn	6
STAT252 Statistics for the Natural Sciences	Spring	6
CHEM212 Organic Chemistry	Autumn	6
CHEM214 Analytical and Environmental Chemistry	Spring	6
Plus one of the following subjects:		
STS251 From Molecular Genetics to Biotechnology	Autumn	6
BMS202 Human Physiology II: Control Mechanisms	Autumn	6
MGMT208 Introduction to Management for Professionals	Autumn	6
Third Year		
Core		
BIOL303 Biotechnology: Applied Cell and Molecular Biology	Autumn	8
CHEM320 Bioinformatics: From Genome to Structure	Spring	8
BIOL320 Molecular Cell Biology	Autumn	8
BIOL321 Infection and Immunity	Spring	8
Options		
Plus one Session 1 subject chosen from the following:		
CHEM350 Principles of Pharmacology	Autumn	8
BIOL332 Ecological and Evolutionary Physiology	Autumn	8
BIOL392 Advanced Biology	Autumn, Spring or Summer	8
BMS344 Cardiorespiratory Physiology	Autumn	8
Plus one Session 2 subject chosen from the following:		
CHEM321 Organic Synthesis and Reactivity	Spring	8

BIOL392	Advanced Biology	Autumn, Spring or Summer	8
PHIL380	Bioethics	Spring	8

Or other subjects approved by the Coordinator

Fourth Year

BIOL421	Cell, Protein and Nucleic Acid Technology	Autumn	12
BIOL423	Biotechnology Project	Annual	36

Honours

The Degree of Bachelor of Biotechnology (Honours) is awarded for meritorious performance in 3rd and especially 4th year subjects.

Please Note: There are special requirements for progression to the fourth year. Refer to the section “Course Requirements” above.

Professional Recognition

Graduates qualify to apply for membership of the Australian Institute of Biology, the Australian Society of Microbiology and the Australian Biotechnology Society.

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/.

Or for more detailed course information contact the Professional Officer, Julie-Ann Green – School of Biological Sciences, telephone (02) 4221 3100, email: jagreen@uow.edu.au.

The Coordinator of the degree is Professor Mark Wilson – School of Biological Sciences.

Bachelor of Environmental Science

Bachelor of Environmental Science Advanced

Testamur Title of Degree:	Bachelor of Environmental Science, Bachelor of Environmental Science Advanced
Abbreviation:	BEnvSc, BEnvSc Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192 credit points
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	746, 746A
UAC Code:	757612, 757618
CRICOS Code:	002256D

Overview

The Bachelor of Environmental Science is a specialist degree designed to give students the knowledge and skills required to manage environmental issues confronting Australia and other countries. This degree aims to provide a broadly-based scientific education with a multidisciplinary approach to problem solving, covering all of the principal sciences: biology, chemistry, geography, geology and physics, together with mathematics and statistics.

In addition, the program integrates material from a wide variety of disciplines relevant to the environment and its management: engineering, management, law, science and technology studies, and philosophy. This equips students to understand the ethical, social, economic and political aspects of environmental issues as well as to be able to work alongside engineers, lawyers and other professionals

Entry Requirements / Assumed Knowledge

Bachelor of Environmental Science:

New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Bachelor of Environmental Science Advanced:

New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Mathematics plus Biology or Chemistry or Geography or Earth and Environmental Sciences. Recommended studies include four units of Science (including Biology) and Mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements**Bachelor of Environmental Science (746):**

This is a prescribed program of study comprising core and optional subjects, as set out below.

Bachelor of Environmental Science Advanced (746A):

Students who are eligible for this degree fulfil all the same requirements as Bachelor of Environmental Science candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

	Subjects	Session	Credit Points	
Arts	Common First Year			
	BIOL104	Evolution, Biodiversity and Environment	Autumn	6
	CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
	EESC101	Planet Earth	Autumn	6
Commerce	EESC103	Landscape Change and Climatology	Autumn	6
	BIOL103	Molecules, Cells and Organisms	Spring	6
	CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
	EESC102	Earth Environments and Resources	Spring	6
Creative Arts	EESC104	The Human Environment: Problems and Change	Spring	6
	MATH151	General Mathematics 1A (If required)	Summer	6
	Common Second Year			
	BIOL251	Principles of Ecology and Evolution	Autumn	6
Education	PHYS233	Introduction to Environmental Physics	Autumn	6
	PHIL256	Ethics and the Environment	Autumn	6
	EESC203	Biogeography and Environmental Change	Autumn	6
	STAT252	Statistics for the Natural Sciences	Spring	6
Engineering	CHEM214	Analytical and Environmental Chemistry	Spring	6
	EESC202	Soils, Landscapes and Hydrology	Spring	6
	EESC204	Introductory Spatial Science	Autumn or Spring	6
	Note: For students who select the Life Sciences Strand early in 2nd Year, an alternative program is available that substitutes BIOL241, Biodiversity: Classification and Sampling, for EESC204, Introductory Spatial Science, in Spring Session of the 2nd Year.			
Health & Behavioural Sciences	3rd and 4th Year – Specialisation in one of four strands:			
	1. Land Resources			
	2. Earth Sciences			
	3. Life Sciences			
Informatics	4. Environmental Chemistry			
	Third Year Land Resources Strand			
	EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
	STS300	The Environmental Context	Autumn	8
Law	ENVI491	Environmental Science and Systems	Spring	8
	EESC208	Environmental Impact of Societies	Spring	6
Science				

EESC302	Coastal Environments: Process and Management	Spring	8
Plus TWO subjects from the following:			
EESC201	Earth Surface Processes and Products	Autumn	6
EESC206	Discovering Downunder: A Geography of Australia	Spring	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8

Third Year Earth Sciences Strand

EESC201	Earth Surface Processes and Products	Autumn	6
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
STS300	The Environmental Context	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
EESC306	Resources and Environments	Spring	8
EESC250	Field Geology	Summer	6

Plus ONE subject from the following:

EESC208	Environmental Impact of Societies	Spring	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8

Third Year Life Sciences Strand

BIOL240	Functional Biology of Plants and Animals	Autumn	6
STS300	The Environmental Context	Autumn	8
BIOL351	Conservation Biology	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
BIOL356	Marine and Terrestrial Ecology	Spring	8
BIOL241	Biodiversity: Classification and Sampling	Spring	6

Plus ONE subject from the following:

BIOL213	Principles of Biochemistry	Autumn	6
BIOL212	Introductory Microbiology and Immunology	Not offered 2007	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8

Third Year Alternative Life Sciences Strand if selected in 2nd year

BIOL240	Functional Biology of Plants and Animals	Autumn	6
STS300	The Environmental Context	Autumn	8
BIOL351	Conservation Biology	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
BIOL356	Marine and Terrestrial Ecology	Spring	8
EESC204	Introductory Spatial Science	Autumn or Spring	6

Plus ONE subject from the following

BIOL213	Principles of Biochemistry	Autumn	6
BIOL212	Introductory Microbiology and Immunology	Not offered 2007	6
BIOL332	Ecological and Evolutionary Physiology	Autumn	8
EESC304	Geographic Information Science	Spring	8

Third Year Environmental Chemistry Strand

CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM327	Environmental Chemistry	Autumn	8
STS300	The Environmental Context	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
	Science

Arts	CHEM213	Molecular Structure, Reactivity and Change	Spring	6
	Plus ONE subject from the following			
	CHEM320	Bioinformatics: From Genome to Structure	Spring	8
	CHEM321	Organic Synthesis and Reactivity	Spring	8
	CHEM314†	Instrumental Analysis	Autumn	8
Commerce	† Students wishing to take CHEM314 should consult the Coordinator of Environmental Science at the start of 3rd year.			
	Fourth Year – Common for all strands			
	ENVI403	Research Report	Annual	24
	ENVE385	Environmental Engineering	Autumn	8
	MGMT208	Introduction to Management for Professionals A	Autumn	6
Creative Arts	LAW380	Law for Environmental Managers	Spring	8
	Honours			
	The Degree of Bachelor of Environmental Science (Honours) is awarded for meritorious performance in 3rd and especially 4th year subjects.			
	Professional Recognition			
	Graduates are eligible for full membership of the Environment Institute of Australia & New Zealand and other relevant professional bodies depending on their disciplinary orientation.			
Education	Other Information			
	For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.			
	The Degree Coordinator is Professor Colin Murray-Wallace – School of Earth and Environmental Sciences, Room 41.G14, telephone (02) 4221 4419, e-mail: cwallace@uow.edu.au .			
	Bachelor of Medicinal Chemistry			
	Bachelor of Medicinal Chemistry Advanced			
Engineering	Testamur Title of Degree: Bachelor of Medicinal Chemistry, Bachelor of Medicinal Chemistry Advanced			
	Abbreviation: BMedChem, BMedChem Adv			
	Home Faculty: Science			
	Duration: 4 years			
	Total Credit Points: 192			
Health & Behavioural Sciences	Delivery Mode: Face-to-face			
	Starting Session(s): Autumn			
	Location: Wollongong			
	UOW Course Code: 755, 755A			
	UAC Code: 757613, 757619			
Informatics	CRICOS Code: 016113D			
	Overview			
	The Bachelor of Medicinal Chemistry is a specialist four-year Honours degree which provides students with an excellent training in modern techniques of chemical science applied to medicine. This includes specialised courses in drug discovery and design, using both rational, computer-aided and bioprospecting approaches. It also gives students the training in physiology, pharmacology and other areas needed to understand the effects of disease states on the human body and the role of drugs and other ways of chemical intervention. Students not admitted directly into the program may gain admission via the BSc program subject to satisfactory performance in first year, prerequisite considerations, and approval of the Dean.			
	The fourth year Honours program gives students exposure to advanced medicinal chemistry laboratory techniques, research experience and training in advanced medicinal chemistry applications.			
Law				
Science				

Entry Requirements / Assumed Knowledge

Bachelor of Medicinal Chemistry (755):

New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Medicinal Chemistry Advanced (755A):

New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Chemistry and Mathematics. Students who had not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Medicinal Chemistry (755):

This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Medicinal Chemistry Advanced (755A):

Students who are eligible for this degree fulfil all the same requirements as Bachelor of Medicinal Chemistry candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects	Session	Credit Points
First Year		
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn 6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring 6
BIOL103	Molecules, Cells and Organisms	Spring 6
BMS101	Systemic Anatomy	Autumn 6
STAT252	Statistics for the Natural Sciences	Spring 6
BMS112	Human Physiology I: Principles and Systems	Spring 6
Plus two of the following subjects:		
BIOL104	Evolution, Biodiversity and Environment	Autumn 6
BMS103	Human Growth, Nutrition and Exercise	Autumn 6
MATH151	General Mathematics 1A (if required)	Autumn or Summer 6
MATH141	Mathematics 1C Part 1	Autumn 6
MATH187	Mathematics 1A Part 1	Autumn 6
PHYS141	Fundamentals of Physics A	Autumn 6
OR		
PHYS155	Introduction to Biomedical Physics	Autumn 6
The Mathematics subject to study is dependent on the level of Maths already achieved by the individual student (HSC or equivalent).		
Second Year		
CHEM211	Inorganic Chemistry II	Autumn 6
CHEM212	Organic Chemistry II	Autumn 6
CHEM213	Molecular Structure, Reactivity and Change	Spring 6
CHEM214	Analytical and Environmental Chemistry	Spring 6
BIOL213	Principles of Biochemistry	Autumn 6
BIOL214	The Biochemistry of Energy and Metabolism	Spring 6
BIOL215	Introductory Genetics	Spring 6
BMS202	Human Physiology II: Control Mechanisms	Autumn 6
Third Year		
CHEM320	Bioinformatics: From Genome to Structure	Spring 8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>CHEM321 Organic Synthesis & Reactivity Spring 8</p> <p>CHEM330 Medicinal Chemistry Spring 8</p> <p>CHEM350 Principles of Pharmacology Autumn 8</p> <p>CHEM364 Molecular Structure and Spectroscopy Autumn 8</p> <p>Plus one of the following two subjects:</p> <p>BIOL320 Molecular Cell Biology Autumn 8</p> <p>BIOL303 Biotechnology: Applied Cell and Molecular Biology Autumn 8</p>																						
Commerce	<p>Fourth Year</p> <p>CHEM440 Selected Topics in Medicinal Chemistry Annual 16</p> <p>CHEM460 Medicinal Chemistry Project Annual 32</p>																						
Creative Arts	<p>Honours</p> <p>The Degree of Bachelor of Medicinal Chemistry (Honours) is awarded for meritorious performance in 3rd and especially 4th year subjects.</p> <p>Professional Recognition</p> <p>Accreditation by the Royal Australian Chemical Institute.</p>																						
Education	<p>Other Information</p> <p>For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.</p> <p>Web site: www.uow.edu.au/science/.</p> <p>The Degree Coordinator is Associate Professor Paul Keller – Department of Chemistry, Room 18.222, telephone: (02) 4221 4692, email: keller@uow.edu.au.</p>																						
Engineering	<p>Bachelor of Nanotechnology</p> <p>Bachelor of Nanotechnology Advanced</p>																						
Health & Behavioural Sciences	<table> <tr> <td>Testamur Title of Degree:</td><td>Bachelor of Nanotechnology, Bachelor of Nanotechnology Advanced</td></tr> <tr> <td>Abbreviation:</td><td>B Nanotech, B Nanotech Adv</td></tr> <tr> <td>Home Faculty:</td><td>Science</td></tr> <tr> <td>Duration:</td><td>4 years</td></tr> <tr> <td>Total Credit Points:</td><td>192</td></tr> <tr> <td>Delivery Mode:</td><td>Face-to-face</td></tr> <tr> <td>Starting Session(s):</td><td>Autumn</td></tr> <tr> <td>Location:</td><td>Wollongong</td></tr> <tr> <td>UOW Course Code:</td><td>846, 846A</td></tr> <tr> <td>UAC Code:</td><td>757625, 757626</td></tr> <tr> <td>CRICOS Code:</td><td>051709G, 052459A</td></tr> </table>	Testamur Title of Degree:	Bachelor of Nanotechnology, Bachelor of Nanotechnology Advanced	Abbreviation:	B Nanotech, B Nanotech Adv	Home Faculty:	Science	Duration:	4 years	Total Credit Points:	192	Delivery Mode:	Face-to-face	Starting Session(s):	Autumn	Location:	Wollongong	UOW Course Code:	846, 846A	UAC Code:	757625, 757626	CRICOS Code:	051709G, 052459A
Testamur Title of Degree:	Bachelor of Nanotechnology, Bachelor of Nanotechnology Advanced																						
Abbreviation:	B Nanotech, B Nanotech Adv																						
Home Faculty:	Science																						
Duration:	4 years																						
Total Credit Points:	192																						
Delivery Mode:	Face-to-face																						
Starting Session(s):	Autumn																						
Location:	Wollongong																						
UOW Course Code:	846, 846A																						
UAC Code:	757625, 757626																						
CRICOS Code:	051709G, 052459A																						
Informatics																							
Law	<p>Overview</p> <p>This interdisciplinary degree in Nanotechnology is a joint offering from the Faculties of Engineering and Science. The degree targets the emerging field of nano-materials, molecular machines and nano-science.</p> <p>There are a total of 5 elective subjects giving students scope to match the course to their interests whilst retaining a core focus on molecular design and characterization of materials at the nano-dimension. The course includes four specially designed subjects that will be mainly research oriented and combine lectures, laboratory and project work. This will give students from first year onwards a taste of where leading research in nanotechnology is heading.</p>																						
Science	<p>Entry Requirements / Assumed Knowledge</p> <p>Bachelor of Nanotechnology (846):</p> <p>New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.</p>																						

Bachelor of Nanotechnology Advanced (846A):

New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Chemistry, Physics and Mathematics. Students who have not completed Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Nanotechnology (846):

This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Nanotechnology Advanced (846A):

Students who are eligible for this degree fulfil all the same requirements as Bachelor of Nanotechnology candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects	Session	Credit Points
First Year		
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn 6
PHYS141	Fundamentals of Physics A	Autumn 6
MATH187/ MATH141	Mathematics 1A Part 1/1C Part 1	Autumn 6
ENGG153	Engineering Materials	Autumn 6
NANO101	Current Perspectives in Nanotechnology	Spring 6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring 6
PHYS142	Fundamentals of Physics B	Spring 6
MATH188/ MATH142	Mathematics 1A Part 2/1C Part 2	Spring 6
Second Year		
CHEM212	Organic Chemistry II	Autumn 6
MATE201	Structure and Properties of Materials	Autumn 6
PHYS205	Advanced Modern Physics	Autumn 6
CHEM211	Inorganic Chemistry II	Autumn 6
NANO201	Research Topics in Nanotechnology	Spring 6
CHEM213	Molecular Structure, Reactivity and Change	Spring 6
Plus two of the following electives:		
Materials Chemistry Stream		
CHEM214	Analytical and Environmental Chemistry	Spring 6
MATE204	Mechanical Behaviour and Fracture	Spring 6
Physics Stream		
MATH212	Applied Mathematical Modelling	Spring 6
PHYS215	Vibrations, Waves and Optics	Spring 6
Mechatronics Stream		
ENGG152	Engineering Mechanics	Spring 6
ENGG154	Engineering Design for Innovation	Spring 6
Other subject options		
BIOL103	Molecules, Cells and Organisms	Spring 6
STAT252	Statistics for the Natural Sciences	Spring 6
Third Year		
CHEM364	Molecular Structure and Spectroscopy	Autumn 8
MATE202	Thermodynamics and Phase Equilibria	Autumn 6
NANO301	Research Project in Nanomaterials	Autumn 8

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	CHEM301	Advanced Materials and Nanotechnology	Spring	8
	MATE303	Ceramics, Glasses and Refractories	Spring	6
	Plus two of the following electives:			
	Materials Chemistry Stream			
Commerce	CHEM321	Organic Synthesis and Reactivity	Spring	8
	CHEM314	Instrumental Analysis	Autumn	8
	CHEM320	Bioinformatics: From Genome to Structure	Spring	8
	MATE301	Engineering Alloys	Autumn	6
Creative Arts	MATE306	Degradation of Materials	Spring	6
	Physics Stream			
	PHYS305	Quantum Mechanics	Autumn	6
	PHYS363	Advanced Photonics	Spring	6
Education	PHYS396	Electronic Materials	Spring	6
	Mechatronics Stream			
	ENGG251	Mechanics of Solids	Autumn	6
	MATE291	Engineering Computing and Laboratory Skills	Autumn	6
Engineering	MECH215	Fundamentals of Machine Component Design	Spring	6
	Other subject options			
	BIOL213	Principles of Biochemistry	Autumn	6
	BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
Health & Behavioural Sciences	Fourth Year			
	MATE302	Polymeric Materials	Autumn	6
	MATE411	Advanced Materials	Autumn	6
	NANO401	Major Project Thesis in Nanotechnology	Annual	24
Informatics	MATE412/	Electronic Materials	Spring	6
	PHYS396			
	Plus one elective from the General Schedule			6
Law	Honours			
	The Degree of Bachelor of Nanotechnology (Honours) is awarded for meritorious performance in 3rd and especially 4th year subjects.			
	Professional Recognition			
	Students may choose options enabling them to graduate and be eligible for accreditation with the Royal Australian Chemical Institute (RACI).			
Science	Other Information			
	For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.			
	Web site: www.uow.edu.au/science/ .			
	The Degree Coordinators are Professor Will Price – Department of Chemistry, Faculty of Science, Room 18.102A, telephone: (02) 4221 3509, email: wprice@uow.edu.au and Professor Geoff Spinks – School of Mechanical, Materials and Mechatronic Engineering, Faculty of Engineering, Room 1.111, telephone: (02) 4221 3010, email: gspinks@uow.edu.au .			

International Bachelor of Science (Honours)

Testamur Title of Degree:	International Bachelor of Science (Honours)
Abbreviation:	BSc Int (Hons)
Home Faculty:	Science
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	848
UAC Code:	757600
CRICOS Code:	TBA

Overview

Students will gain a strong discipline-based training in an approved Science degree, integrated with a technological application of that science, an understanding of the social context of this science and technology, and an international perspective on the science and its applications.

The flexible structure of the major, two minors, and electives allows students to design their study program to meet their particular interests and abilities.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 92 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Mathematics and any two units of Science. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Program

Subjects	Session	Credit Points
Suggested First Year		
SCIE102 International Perspectives in Science	Autumn	6
Plus two 100-level subjects towards an approved Major.		12
Plus additional subjects towards the Technology Minor, Social Sciences Minor and/or the balance.		30
Suggested Second Year		
SCIE202 Bioethical Challenges: A Global Perspective	Autumn	6
Plus four 200-level subjects towards an approved Major.		24
Plus additional subjects towards the Technology Minor, Social Sciences Minor and/or the balance.		18
Suggested Third Year		
Three subjects towards an approved Major		24
Plus additional subjects towards the Technology Minor, Social Sciences Minor and/or the balance.		24
Suggested Fourth Year		
SCIE402 Research Frontiers in Science	Autumn	18
Plus an Honours Research Project.	Autumn/Spring	24
Plus an additional subject towards the Technology Minor, Social Sciences Minor and/or the balance.		6
Total for major		192

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Course Requirements

International Bachelor of Science requirements are as follows:

One major chosen from disciplines located in the Faculty of Science. A major study consists of at least 60 credit points from one of the Faculty of Science disciplines: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences. Information regarding these majors is listed under the Bachelor of Science Course Information under “Major Study Areas.”

The Technology Minor consists of 30 cp as outlined in the following five strands and approved by the degree coordinator in consultation with the Engineering or Informatics Faculty Education Committee Chair.

Students will also complete a 24 credit point Honours Research Project in their chosen discipline

Engineering Technology Strand

Subjects	Session	Credit Points
100-Level		
ENGG152 Engineering Mechanics	Spring	6
ENGG153 Engineering Materials	Autumn	6
ENGG154 Engineering Design & Innovation	Spring	6
NANO101 Current Perspectives in Nanotechnology	Spring	6
200-Level		
MATE201 Structure and Properties of Materials	Autumn	6
NANO201 Research Topics in Nanotechnology	Spring	6
MATE291 Engineering Computing and Laboratory Skills	Autumn	6
300-Level		
MATE302 Polymeric Materials	Autumn	6

Informatics Strand

Subjects	Session	Credit Points
100-Level		
CSCI102 Systems	Spring	6
CSCI103 Algorithms and Problem Solving	Autumn or Spring	6
CSCI114 Procedural Programming	Autumn or Spring	6
CSCI124 Applied Programming	Autumn or Spring	6
200-Level		
CSCI235 Databases	Spring	6
300-Level		
CSCI315 Database Design and Implementation	Autumn	6

Internet Technology Strand

Subjects	Session	Credit Points
100-Level		
ECTE181 WWW Engineering	Autumn	6
ECTE182 Internet Technology 1	Spring	6
200-Level		
ECTE281 Embedded Internet Systems	Spring	6
ECTE282 Internet Systems	Autumn	6
ECTE283 Internet Technology 2	Spring	6

Information and Communication Technology Strand

Subjects	Session	Credit Points
100-Level		

CSCI102	Systems	Spring	6
200-Level			
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
300-Level			
IACT301	Information and Communication Security Issues	Spring	6
IACT303	World Wide Networking	Spring	6

Mathematics Strand

Subjects		Session	Credit Points
100-Level			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
200-Level			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
STAT231	Probability and Random Variables	Autumn	6

The Social Sciences Minor consists of 24 credit points selected from the International Studies Minor in consultation with the Course Coordinator.

Note: When selecting subjects for the Technology and Social Sciences minors, students must adhere to the requirement that no more than 60 credit points of 100-level subjects can count towards their degree programs.

The Global Science Study component consists of SCIE102, coordinated by the University of Wollongong, SCIE202, a point remote-delivery subject at 200-level, coordinated by the University of Colorado (Boulder), and an 18 credit point remote-delivery subject at 400-level, coordinated by Dublin City University.

The balance of 24 credit points (to a degree total of 192) may be chosen from either the Science Schedule or General Schedule and may include a selection of complementary or contrasting subjects, or other subjects with the approval of the Dean or Associate Dean. Some of these credit points may be required to complete prerequisite subjects related to the Science major (e.g., the Maths requirement, or 100-level Chemistry and STAT252 for a Biological Sciences major).

Students will be required to complete at least 24 credit points of the degree at one of the partner institutions. It is suggested that students complete the study abroad component in either their 2nd or 3rd year of study.

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481.

Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

Bachelor of Science - Bachelor of Arts

Testamur Title of Degree:	Bachelor of Science – Bachelor of Arts
Abbreviation:	BSc-BA
Home Faculty:	Science
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	747
UAC Code:	751801
CRICOS Code:	012098G

Overview

This double degree enables students to undertake comprehensive majors in both Science and Arts.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Any two units of English plus Mathematics and any two units of science. Students wishing to take this subject and who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Students must consult both the Faculty of Science and the Faculty of Arts academic advisers about selecting a major study from each Faculty. The required 216 credit points taken over at least 4 years shall include:

1. 90 credit points of subjects from the Science Schedule (including a minimum of 60 credit points for a Science major: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences);
2. 90 credit points from the Arts Faculty including subjects prescribed for one of the majors for the Bachelor of Arts degree. This will include one major study taught by a member unit of the Faculty of Arts or a major in Psychology or Population Health;
3. not more than 96 credit points for 100-level subjects.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for entry into either BSc (Honours) or BA (Honours).

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481, email trina@uow.edu.au. Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

Bachelor of Science - Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Science – Bachelor of Commerce
Abbreviation:	BSc-BCom
Home Faculty:	Science
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	747C
UAC Code:	751802
CRICOS Code:	028399G

Overview

This double degree enables students to undertake comprehensive majors in both Science and Commerce.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Any two units of English plus Mathematics and any two units of science. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Students must consult both the Faculty of Science and the Faculty of Commerce academic advisers about selecting a major study from each Faculty.

The double degree consists of a minimum of 216 credit points taken over at least 4 years and shall include:

1. 90 credit points of subjects from the Science Schedule (including a minimum of 60 credit points for a Science major: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences);
2. subjects from the Commerce Schedule, including core subjects that satisfy the requirements of one of the Commerce majors.
3. subjects from the Science, Commerce or General Schedules to ensure that a minimum of 216 credit points have been completed.

Note: Students may be given exemption from a subject when similar subjects exist in both majors selected, eg. Statistics.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for either BSc (Honours) or BCom (Honours).

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481. Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

Bachelor of Science - Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Science – Bachelor of Mathematics
Abbreviation:	BSc-BMath
Home Faculty:	Science
Duration:	4.5 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	892
UAC Code:	751806
CRICOS Code:	049703J

Overview

This double degree allows students with a strong Mathematics background to pursue major in an area of Mathematics while at the same time majoring in one of the disciplines offered by the Faculty of Science.

There is potential for students who are well trained in Mathematics/Statistics to excel in core studies in the Science Faculty (for example Geographical Information Systems, Ecology, Biotechnology). Such students would be very competitive in job markets and highly trained to carry out further study in a research degree.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Any two units of English plus Mathematics (not General Mathematics) or higher plus any two units of Science. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year.

Course Requirements

The double degree consists of 216 credit points of which 102 credit points are for Mathematics/Statistics subjects, 90 credit points for Science subjects (including a major), and 24 credit points of elective subjects. The degree must include:

From Science:

- 24 credit points at 100- level in two discipline areas of Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology or Geosciences
- 24 credit points at 200- level from at least one major in Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology or Geosciences
- 24 credit points at 300- level from at least one major in Biological Sciences, Chemistry, Human Geography, Physical

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Geography, Geology or Geosciences</p> <ul style="list-style-type: none"> • A total of 60 credit points from a major in Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology or Geosciences • A total of 90 credit points from the Science schedule <p>From Mathematics/Statistics:</p> <ul style="list-style-type: none"> • MATH187 and MATH188 • CSCI114 • MATH111 or MATH212 • MATH121 or MATH222 • STAT131 or STAT231 (to be chosen in consultation with an academic advisor) • MATH201, MATH202, MATH203 and MATH204 • MATH212 or MATH222 • At least 36 credit points of 300 level mathematics and statistics • Not more than 60 credit points can be taken at 100 Level <p>Notes:</p> <ul style="list-style-type: none"> • The subjects MATH302, MATH305, MATH312 and MATH313 are recommended for students majoring in Mathematics but are not compulsory. • The subject MATH222 is a prerequisite for the subjects MATH323 and MATH372. • The Assoc Dean of Science must approve variations in course structure after consultation with the relevant subject coordinator(s). • STAT131 and CSCI114 may be taken in the first year. • Students wishing to major in Statistics should complete all the statistics subjects listed in the suggested program of study. • STAT131 or STAT231 can be substituted for STAT252, which is required or recommended in some Science majors. • Students majoring in Statistics satisfy any requirement for STAT252 in a Science major.
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for entry into either BSc (Honours) or BMath (Honours).

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3481. Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

SUBJECT DESCRIPTIONS

BIOL103 Molecules, Cells and Organisms

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Subject Description: Properties and characteristics of living systems. Cell structure and function. Micro-organisms and viruses. Cell division. Introductory biochemistry. Structure and function of the respiratory, digestive, excretory and muscular systems. Physiology of nervous and hormonal control systems and the immune system. Plant structure and function.

BIOL104 Evolution, Biodiversity and Environment

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with BIOL352

Subject Description: Types of organisms, their classification and life styles. Ecology of populations and communities. Evolutionary biology and the origin of species.

BIOL213 Principles of Biochemistry

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BIOL103, CHEM101, and CHEM102

Co-requisites: None

Subject Description: Structure and biological functions of proteins, nucleic acids, carbohydrates and lipids and their subunits. Protein and nucleic acid synthesis in prokaryotes and eukaryotes. Membrane structure. Enzymes and their regulation. Intermediary metabolism.

BIOL214 The Biochemistry of Energy and Metabolism

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BIOL213

Co-requisites: None

Subject Description: The generation and storage of metabolic energy. The major catabolic pathways. The biosynthesis of carbohydrates, lipids, proteins and nucleotides. The regulation of enzymes and of metabolic pathways and their role in cellular function. The integration of metabolism. Metabolic disorders.

BIOL215 Introductory Genetics

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BIOL213

Co-requisites: None

Subject Description: Genetic variation in eukaryotic populations. Source of variation and techniques of measurement. Regulation of gene activity. Microbial genetics including transformation, conjugation and phage replication. Mechanisms for the rearrangement and exchange of genetic material including plasmids, recombination, transposons and genetic engineering.

BIOL240 Functional Biology of Plants and Animals

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BIOL103 and BIOL104

Co-requisites: None

Subject Description: Functional morphology of plants and animals. Plant/environmental interactions. Physiological and behavioural responses of animals to various environments. Reproductive biology and life history patterns of plants and animals. Please note that this subject involves animal dissections. While direct participation is not mandatory, all students will be examined on the material.

BIOL241 Biodiversity: Classification and Sampling

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: BIOL103 and BIOL104

Co-requisites: None

Subject Description: Introduction to biological diversity. Identifying biodiversity. The species concept. Principles of classification (numerical and biochemical tools). Pitfalls in classification (coevolution, physical and evolutionary constraints). Use of keys. Making and curating a collection of selected groups of organisms. Environmental surveys: quantification and importance of biological diversity. Loss of biodiversity.

BIOL251 Principles of Ecology and Evolution

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: BIOL103 and BIOL104

Co-requisites: None

Subject Description: Definitions of a population. Sampling and estimating density. Population growth and regulation. Interactions between organisms and community structure and function. Variation among organisms, genetic and environmental. Inheritance. Genetic structure of populations. Population size, breeding systems and selection, social evolution and evolution of life histories. Implications for human populations. Human ecology and ecological surveys.

BIOL292 Special Biology Studies

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: Available to second year students currently enrolled in the BSc Adv (Hons) program

Co-requisites: None

Subject Description: Students will undertake research projects, under the supervision of academic staff members, on design and execution of field and/or laboratory experiments and the analysis and interpretation of these data. Intending students must consult with the Head of School prior to enrolment.

BIOL303 Biotechnology: Applied Cell and Molecular Biology

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: BIOL215

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	<p>Co-requisites: None</p> <p>Subject Description: Recombinant DNA technology and genetic engineering of micro-organisms, plant cells and animal cells. Expression, production and purification of recombinant proteins, cytokines and hormones. Fermentation technology and industrial scale-up. Applications of Biotechnology to the fields of human therapeutics, agriculture and diagnostics. Bioinformatics, ethical and patent issues of Biotechnology.</p>	<p>capacity and endothermy. Physiological processes associated with phenotypic plasticity and adaptive traits. Influence of hormones on physiology and behaviour.</p>
Commerce	<p>BIOL320 Molecular Cell Biology Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: BIOL214 and BIOL215 Co-requisites: None Subject Description: This subject covers many specific aspects of cell biology, including cell and tissue structure, protein sorting mechanisms, secretion, membrane transport, energetics, signal transduction, apoptosis, cellular and molecular genetics of development, the cell cycle and cancer. In addition, focused lab-based practicals are offered which will provide an understanding of the techniques used for studying cell biology. These include: cell and organelle isolation and analysis, growth of various cell types in aseptic culture, observation and manipulation of cellular functions and cell surface labelling and protein blotting.</p>	<p>BIOL351 Conservation Biology: Marine and Terrestrial Populations Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: BIOL251 and STAT252 Co-requisites: None Subject Description: Field camps and are an integral part of this subject. Describing populations – demography, life tables, genetic structure. Factors regulating population growth – competition herbivory, predation, environmental disturbance, Natural selection. Frequency-dependence and density-dependence. Phenotypic plasticity. Sex, recombination and breeding systems. Localised adaptation. Sexual selection. Genetic basis of behaviour. Hybrids and hybrid zones. Mechanisms of evolution and speciation. Population biology in relation to conservation – minimum population sizes, inbreeding depression, genetic tolerance of extreme conditions.</p>
Creative Arts		
Education	<p>BIOL321 Infection and Immunity Spring Wollongong On Campus Credit Points: 8 Pre-requisites: BIOL320 Co-requisites: None Subject Description: This is a third year (senior) undergraduate subject intended to provide students in the BSc and B Biotech degrees with an understanding of leading edge aspects of microbial pathogens, the immune system, and the ways in which the immune system defends the body against pathogens. It extends understanding gained during BIOL320 (Molecular Cell Biology) and is a specified 'core' subject for the B Biotech degree. This subject will survey the major groups of microbial pathogens before examining the multiple facets of the immune system in humans. The interactions between pathogens and the immune system will be explored, both in theory and as an integrated part of the practical exercises. Technological advances in immunology and immunochemistry that have made major impacts on modern biotechnology will also be studied, including monoclonal and 'humanized' antibodies, and recombinant vaccines.</p>	<p>BIOL352 Biology For Environmental Engineers Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with BIOL104 Subject Description: Types of organisms, their classification and life styles. Ecology of populations and communities. Evolutionary biology and the origin of species. This subject includes a set of tutorials specifically designed for Environmental Engineers.</p>
Engineering		
Health & Behavioural Sciences		
Informatics		
Law	<p>BIOL332 Ecological and Evolutionary Physiology Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: BIOL240 Co-requisites: None Subject Description: Physiological and biochemical characterisation of organisms in relation to size, metabolic intensity, and response to environmental variables. Physiological responses of plants and animals to variations in light intensity, solar radiation, temperature, gas composition, and pressure. Evolution of aerobic</p>	<p>BIOL355 Marine and Terrestrial Ecology Spring Wollongong On Campus Credit Points: 8 Pre-requisites: BIOL241, BIOL251, and STAT252 Co-requisites: None Subject Description: Introduction to ecology – levels of organisation (individual, population, community, eco-system). Experiments in ecology – their design, analysis and interpretation. Biotic interactions: competition, herbivory, predation, mutualisms. Disturbance, catastrophe and community structure and function. Behavioural ecology: innate vs learned behaviours and their effects on individual fitness, demography and community structure. Applied ecology: rehabilitation and management.</p>
Science		<p>BIOL356 Marine and Terrestrial Ecology (Environmental Science) Spring Wollongong On Campus Credit Points: 8 Pre-requisites: BIOL251 and STAT252 Co-requisites: None Subject Description: Lecture content as for BIOL355. Tutorial and practical components of this subject provide professional experience for Bachelor of Environmental Science students. A substantial amount of the practical work will be environmental science projects conducted in the Illawarra region.</p>

BIOL391 Advanced Biology

Spring	Wollongong	On Campus
Autumn	Wollongong	On Campus
Annual	Wollongong	On Campus

Credit Points: 16**Pre-requisites:** Distinction average or higher performance in subjects pertinent to the intended area of research, as approved by the Head of School**Co-requisites:** None**Subject Description:** Two research projects are to be undertaken with different supervisors, designed and chosen in consultation with these academic staff members. Emphasis may be placed on developing competence in a range of laboratory and field techniques not already familiar to the student. Selection for Advanced Biology is based on merit, and intending students should consult the Coordinator before enrolment.**BIOL392 Advanced Biology**

Spring	Wollongong	On Campus
Autumn	Wollongong	On Campus
Summer 2007/2008	Wollongong	On Campus

Credit Points: 8**Pre-requisites:** Distinction average or higher performance in subjects pertinent to the intended area of research, as approved by the Head of School**Co-requisites:** None**Subject Description:** One research project is to be undertaken, designed and chosen in consultation with an academic staff member. Emphasis may be placed on developing competence in a range of laboratory and field techniques not already familiar to the student. Selection for Advanced Biology is based on merit, and intending students should consult the Coordinator before enrolment.**BIOL401 Biology Honours**

Annual	Wollongong	On Campus
Spring2007/Autumn2008	Wollongong	On Campus

Credit Points: 48**Pre-requisites:** Passing a major sequence in Biology at 300-level at a standard approved by the Head of the School**Co-requisites:** None

Exclusions: Not to count with BIOL402, BIOL403, or BIOL404.

Subject Description: Students wishing to proceed to honours should consult the Honours Co-ordinator as soon as possible during their third year.**BIOL402 Biology Joint Honours**

Spring2007/Autumn2008	Wollongong	On Campus
Annual	Wollongong	On Campus

Credit Points: 24**Pre-requisites:** Passing a major sequence in Biology at 300-level at a standard approved by the Head of the School**Co-requisites:** Enrolment in a 24 credit point Honours subject offered by another Academic Unit.

Exclusions: Not to count with BIOL401, BIOL403, or BIOL404

Subject Description: Students wishing to proceed to joint honours should consult the Honours Co-ordinator as soon as possible during their third year.**BIOL403 Biology Honours Part 1 for Part-Time Students**

Annual	Wollongong	On Campus
Spring2007/Autumn2008	Wollongong	On Campus

Credit Points: 24**Pre-requisites:** Passing a major sequence in Biology at 300-level at a standard approved by the Head of the School**Co-requisites:** None

Exclusions: Not to count with BIOL401 or BIOL402

Subject Description: Students wishing to proceed to honours should consult the Honours Co-ordinator as soon as possible during their third year.**BIOL404 Biology Honours Part 2 for Part-Time Students**

Spring2007/Autumn2008	Wollongong	On Campus
Annual	Wollongong	On Campus

Credit Points: 24**Pre-requisites:** Passing a major sequence in Biology at 300-level at a standard approved by the Head of the School. BIOL403 required.**Co-requisites:** None

Exclusions: Not to count with BIOL401 or BIOL402.

Subject Description: Students wishing to proceed to honours should consult the Honours Co-ordinator as soon as possible during their third year.**BIOL421 Cells, Proteins and Nucleic Acid Technology**

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 12**Pre-requisites:** Completion of the third year of the Bachelor of Biotechnology**Co-requisites:** None**Subject Description:** This subject deals with the latest developments and techniques in the broad field of cell and molecular biology. Topics include cell and tissue culture, antibody technology, protein purification and identification, 3D protein structure and folding, ligand-receptor interactions, transgenic mice, proteomics, bioinformatics, Australian Biotechnology, ethics of Biotechnology, microbial bioremediation and genetic engineering, vaccine development, gene therapy, intellectual property, biotechnology regulations and the patent system. Grant, CV and paper writing skills.**BIOL423 Biotechnology Project**

Annual	Wollongong	On Campus
--------	------------	-----------

Credit Points: 36**Pre-requisites:** Completion of the third year of the Bachelor of Biotechnology**Co-requisites:** BIOL421 (during Autumn Session)**Subject Description:** This subject is comprised of a research project performed under the supervision of one or more members of academic staff. The topic of research is initially proposed by the supervisor(s) but may be modified in consultation with the individual student. As part of this subject, apart from a final thesis, the student must present an initial Research Seminar and a final Seminar (on the topic of his/her research project), and submit a Research Manuscript and a Research Poster.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	CHEM101 Chemistry IA: Introductory Physical and General Chemistry			
	Autumn Summer 2007/2008	Wollongong	On Campus Wollongong	Flexible
Commerce	Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count with CHEM103 Subject Description: Fundamentals: atomic structure, nomenclature, balancing equations, mole and stoichiometric calculations. Matter molecular scale: electron configuration, periodicity, bonding, shape. Matter macroscale: gases liquids solids. Thermochemistry. Chemical, acid base equilibria. Physical equilibria and colligative properties.			
	CHEM102 Chemistry 1B: Structure and Reactivity of Molecules for Life			
Creative Arts	Spring Summer 2007/2008	Wollongong	On Campus Wollongong	Flexible
	Credit Points: 6 Pre-requisites: None Co-requisites: None Subject Description: Chemical kinetics, electrochemistry and thermodynamics. Organic chemistry: nomenclature, functional groups, isomerism, hydrocarbons, alkenes/alkynes and electrophilic addition, aromatic compounds and electrophilic substitution, functional groups chemistry and nucleophilic substitution/elimination, synthetic and natural polymers.			
Education	CHEM103 Introductory Chemistry For Engineers			
	Autumn Summer 2007/2008	Wollongong	On Campus Wollongong	Flexible
Engineering	Credit Points: 6 Pre-requisites: None Co-requisites: None Exclusions: Not to count for credit with CHEM101. Subject Description: Fundamentals: nomenclature and stoichiometry. Atomic theory, bonding and structure. Properties of matter. Reactions: thermochemistry, thermo dynamics, chemical equilibria, acid base equilibria and kinetics. Introductory organic chemistry. Environmental chemistry: pollution and pollution control. Electrochemistry: redox, galvanic cells, electrolysis and corrosion. Chemical basis of engineering materials such as metals, semiconductors, polymers, fuels, adhesives.			
	CHEM211 Inorganic Chemistry II			
Health & Behavioural Sciences	Autumn Summer 2007/2008	Wollongong	On Campus	
	Credit Points: 6 Pre-requisites: CHEM101 and CHEM102 Co-requisites: None Subject Description: Introduction to modern coordination chemistry; crystal field theory; magnetism; UV - visible spectra of transition metal complexes; symmetry; bioinorganic chemistry; medicinal inorganic chemistry and toxicology.			
Informatics	CHEM212 Organic Chemistry II			
	Autumn Summer 2007/2008	Wollongong	On Campus	
Law	Credit Points: 6 Pre-requisites: CHEM101 and CHEM102 Co-requisites: None Subject Description: Modern organic synthetic methods, theory and practice. This includes: an introduction to organic chemical stereochemistry; fundamentals of molecular mechanism; synthetic transformations of organic molecular moieties; applications of spectroscopy.			
	CHEM213 Molecular Structure, Reactivity and Change			
Science	Spring Summer 2007/2008	Wollongong	On Campus	
	Credit Points: 6 Pre-requisites: CHEM101, CHEM102 and Faculty of Science minimum mathematics requirement Co-requisites: None Subject Description: When looking at chemical systems, three fundamental questions arise: to what extent will they react, how quickly will they react and what is their structure? This subject explores these topics through the key topics of thermodynamics and kinetics and provides an understanding of experimental studies and their relationship to theory. These macroscopically observed properties are then discussed in relation to fundamental molecular properties, including an introduction to simple quantum concepts and the rotational/vibrational spectroscopy of diatomic molecules. In addition, colloidal systems, including micellar phases, are used as examples of molecular self-assembly, where intrinsically unstable phases are maintained by kinetic factors.			
	CHEM214 Analytical and Environmental Chemistry			
	Spring Summer 2007/2008	Wollongong	On Campus	
	Credit Points: 6 Pre-requisites: (CHEM101 and CHEM102) or CHEM103 and Faculty of Science minimum mathematics requirement. Co-requisites: None Subject Description: This subject is an introduction to analytical chemistry and its application to environmental and biological systems. It provides an excellent introduction to the separation and quantification of various compounds through the application of a range of current analytical techniques. It will provide an understanding of sample compositions, sample preparation and analysis, and data interpretation using statistics. The material will be presented in lectures, workshops, and laboratory exercises.			
	CHEM215 Food Chemistry			
	Autumn Summer 2007/2008	Wollongong	On Campus	
	Credit Points: 6 Pre-requisites: CHEM101 and CHEM102 Co-requisites: None Subject Description: Only listed in the Health & Behavioural Sciences Schedule. This subject is designed as a core subject in the BSc (Nutrition) program. Description: Types of nutrients, energy value of food. Fats, carbohydrates, and proteins in foods. Colloidal systems. Essential trace elements, vitamins. Cooking, preservation and processing of food. Chemical additives and toxins in food.			

CHEM218 Special Chemistry Studies

Spring Wollongong On Campus
Autumn Wollongong On Campus
Summer 2007/2008 Wollongong On Campus

Credit Points: 6

Pre-requisites: Entry restricted to BSc Adv (Hons) candidates

Co-requisites: None

Subject Description: This subject is intended to introduce advanced chemistry students to modern chemical research. It provides an opportunity for student centred learning, allowing the student to connect the content of the conventional chemistry subjects they have already undertaken to cutting-edge chemical research. CHEM218 provides a first opportunity for undergraduate students to experience the excitement of working at the frontiers of science. The subject takes the form of a small research based project undertaken with the supervision of a member of staff and it may include research assistance, directed reading, computer-based studies and/or library assignments. Students should consult the subject coordinator and find a suitable project with a willing project supervisor prior to enrolling in CHEM218.

CHEM301 Advanced Materials and Nanotechnology

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: CHEM211

Co-requisites: None

Subject Description: Nanotechnology is the design and fabrication of functional materials at the molecular level. It is one of the fastest growing areas of scientific research, spanning chemistry, physics, biology and materials science. This subject provides an introduction to polymers, ceramics, carbon nanotubes and other advanced materials that are the building blocks of nanotechnology. It also explores how supramolecular chemistry is used to synthesise assemblies of molecules for applications including sensing, catalysis, artificial photosynthesis and molecular electronics.

CHEM314 Instrumental Analysis

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: CHEM214

Co-requisites: None

Subject Description: The principles underlying common instrumental methods will be discussed in lectures, specifically instrument development and components, operation and application, and their advantages and limitations. The accompanying laboratory course provides an opportunity for hands-on experience.

CHEM320 Bioinformatics: From Genome to Structure

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: BIOL213

Co-requisites: None

Subject Description: The course will be divided into three strands of approximately equal length: (i) Bioinformatics, (ii) Biological macromolecules (proteins and nucleic acids) – structure and function, and (iii) Proteomics. In the practical course, bioinformatics will be explored in computer-based tutorials and

practicals. Databases for nucleic acid and protein sequences, structures and other parameters of biological molecules, plus linkages to the scientific literature, will be used to extract information and to compare and analyse these data. Proteomics and protein and nucleic acid structure will also be investigated via computer-based practicals. In the laboratory, the sequence of a dipeptide will be determined and structure/function aspects of the protein, lysozyme, will be analysed.

CHEM321 Organic Synthesis and Reactivity

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: CHEM212

Co-requisites: None

Subject Description: Reactive intermediates: free radicals, carbenes, arenes: generation, determination, reactions. Stereochemistry: physical detection of stereochemistry by n.m.r., C.D. etc; enantioselective synthesis and computer modelling. Synthesis: carbocyclic synthesis and theory and applications to natural product synthesis. Heterocycles: synthesis, reactions and applications of common heterocycles.

CHEM327 Environmental Chemistry

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: CHEM214

Co-requisites: None

Subject Description: The environment depends on complex interactions of chemical, physical and biological processes. These can be both natural and anthropogenic in origin. In this course the chemical aspects are highlighted in three strands: atmospheric chemistry, aquatic chemistry and soil chemistry. The subject also investigates methods for assessing the chemical state of the environment.

CHEM330 Medicinal Chemistry

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: CHEM212 and BIOL214 and BMS202. Entry restricted to BMedChem candidates.

Co-requisites: None

Subject Description: The concepts, principles and applications of medicinal chemistry are examined and include: drug lead discovery, investigation into the key molecular features necessary for medicinal action, drug metabolism, stereochemistry/chirality and drug action, modern methods in drug design including computer-aided molecular modelling. This course also has guest lecturers who are experts in the varying fields of medicinal chemistry. This could include speakers from pharmaceutical companies or from research institutes.

CHEM340 Chemistry Laboratory Project

Summer 2007/2008 Wollongong On Campus

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: Four 200-level Chemistry subjects. Restricted entry. Admission by application to Head of Department of Chemistry

Co-requisites: Two 300-level Chemistry subjects

Subject Description: Research projects are undertaken under the direct guidance of an academic supervisor, chosen after consultation with academic staff and the

Arts	
Commerce	
Creative Arts	
Education	
Engineering	
Health & Behavioural Sciences	
Informatics	
Law	
Science	

Arts	<p>Head of Department. The projects will introduce students to a range of advanced experimental techniques, and familiarise them with the scientific approach to research. Students must attend Departmental seminars. Selection for this laboratory project is based on merit, and intending students should consult with the Head before enrolment.</p>
Commerce	<p>CHEM350 Principles of Pharmacology Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: (CHEM212 or BIOL214) and BMS202. CHEM350 is normally restricted to BMedChem candidates. Other students should contact the co-ordinator. Co-requisites: None Subject Description: This course is designed to introduce students to the basic concepts of pharmacology. Topics covered will include, receptors and molecular basis of drug action, drug disposition and bioavailability, kinetics of drug action, factors affecting drug activity, in vitro and in vivo screening procedures, pharmacology of prototype drugs, and drug interactions.</p>
Creative Arts	
Education	<p>CHEM364 Molecular Structure and Spectroscopy Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: CHEM213 Co-requisites: None Subject Description: Determining the structure of a molecule is the key to unlocking its chemistry. In the 21st century there are numerous approaches for determining molecular structure. These include, experimental spectroscopic techniques and theoretical predictions, which make use of the increasing power of computers. This combination of experimental and theoretical techniques, are powerful and complementary methods for determining molecular structure and reactivity. This multi-faceted course covers the fundamentals of computational chemistry and spectroscopy and their applications to problems of molecular structure determination. Students will gain experience in conducting and interpreting: electronic structure calculations, optical (infrared, visible & ultraviolet) spectroscopy, mass spectrometry, and nuclear magnetic resonance spectroscopy. A formal treatment of molecular symmetry is also included. Applications of these methods to organic, inorganic, biological and gas-phase systems are covered.</p>
Engineering	
Health & Behavioural Sciences	
Informatics	<p>CHEM401 Chemistry Honours Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 48 Pre-requisites: Normally at least 32 credit points of 300-level Chemistry subjects at an appropriate standard (credit average). Co-requisites: None Exclusions: Not to count with CHEM402, 403, or 405. Subject Description: Coursework: advanced topics and skills for chemistry research including oral and written communication, project management, library techniques and OH&S. Research Project: each year, available projects are provided by the Department of Chemistry. See Co-ordinator or Head of Department.</p>
Law	
Science	

<p>CHEM402 Chemistry Honours Part 1 For Part-Time Students Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: Normally at least 32 credit points of 300-level Chemistry subjects at an appropriate standard (credit average). Co-requisites: None Exclusions: Not to count with CHEM401 or CHEM405 Subject Description: Coursework: advanced topics and skills for chemistry research including oral and written communication, project management, library techniques and OH&S. Research Project: each year, available projects are provided by the Department of Chemistry. See Co-ordinator or Head of Department .</p>
<p>CHEM403 Chemistry Honours Part 2 for Part-Time Students Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: Normally at least 32 credit points of 300-level Chemistry subjects at an appropriate standard (credit average). CHEM402 required. Co-requisites: None Exclusions: Not to count with CHEM401 or CHEM405. Subject Description: Coursework: advanced topics and skills for chemistry research including oral and written communication, project management, library techniques and OH&S. Research Project: each year, available projects are provided by the Department of Chemistry. See Co-ordinator or Head of Department.</p>
<p>CHEM405 Chemistry Joint Honours Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: Normally at least 24 credit points of 300-level Chemistry subjects at an appropriate standard (credit average). Entry is subject to the approval of the Head of Department of Chemistry. Co-requisites: This subject is taken with 24 credit points at 400-level from another Department. Exclusions: Not to count with CHEM401, 402, or 403. Subject Description: A list of topics available will be provided by the Department. See Co-ordinator or Head of Department.</p>
<p>CHEM440 Selected Topics in Medicinal Chemistry Annual Wollongong On Campus Credit Points: 16 Pre-requisites: CHEM330. Entry restricted to BMedChem candidates. Co-requisites: None Subject Description: Specialist courses in a variety of medicinal chemistry areas. Topics to be selected from could include structure-based ligand design (including computer-aided drug design); structure-pharmacological property relationships; synthesis and applications of radiopharmaceuticals; drug stability and formulation; toxicology and metabolism; advanced synthetic chemistry (including asymmetric</p>

synthesis and chiral drugs); bioactive natural products and drug development (including medicinal plant studies), toxicology and advanced proteomics.

CHEM460 Medicinal Chemistry Project

Annual	Wollongong	On Campus
Spring	Wollongong	On Campus
Summer 2007/2008	Wollongong	On Campus
Spring 2007/Autumn 2008	Wollongong	On Campus

Credit Points: 32

Pre-requisites: CHEM330 and CHEM350.

Entry restricted to BMedChem candidates.

Co-requisites: None

Subject Description: A list of research projects in medicinal chemistry available for study in any one year will be provided by the Department of Chemistry.

The development of appropriate joint projects within or outside the University is actively encouraged.

EESC101 Planet Earth

Autumn	Wollongong	On Campus
Autumn	Loftus	On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with GEOS251, GEOS252, or GEOS111

Subject Description: How does the solid planet Earth function and of what does it consist? This subject provides an introduction to earth sciences by considering topics such as geological time, the solar system, the interior of Earth, tectonics and structural geology, crystals, minerals, volcanoes and volcanic processes, and characteristics of igneous, sedimentary and metamorphic rocks.

EESC102 Earth Environments and Resources

Spring	Wollongong	On Campus
Spring	Loftus	On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with GEOS102

Subject Description: The frequent conflicts between resource utilisation and its environmental consequences are of major concern in modern societies. This subject considers the implications and environmental and geological aspects of resource utilisation on Earth. Topics include economic geology: gold, metals, water, coal, oil and gas; industrial minerals; geophysical exploration; mining and resources; sedimentary processes, products and environments of deposition; fossils and palaeoecology.

EESC103 Landscape Change and Climatology

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with GEOS112

Subject Description: This subject examines the physical geography of our planet including the character of the oceans and their interaction with the land masses, the behaviour of the atmosphere, world-wide weather and climatic patterns, climatic change, major distributions of soil and biota, and the Earth's landforms. The latter

includes information on weathering, theories of landform evolution, hillslope processes, glaciation, hydrology, river and coastal processes, and deserts. Laboratory classes concentrate on map and air photograph interpretation.

EESC104 The Human Environment: Problems and Change

Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with GEOS142

Subject Description: This subject introduces students to the central themes of human geography. The themes introduced in this subject include cultural, tourism, social, population and development geographies. A number of questions are examined to introduce these themes. These questions include those that investigate cultures of nations, national identities, international migration, mechanisms of world population growth and global inequalities. Through introducing these themes this subject aims to increase awareness and understanding of the relationships between the environment and culture, tourism, population and economic growth. Practical classes introduce students to a range of analytical techniques used in human geography. These techniques including deconstruction, content analysis and participant observation are applied to a range of subject-relevant problems.

EESC201 Earth Surface Processes and Products

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 6

Pre-requisites: 12 credit points of 100-level EESC or GEOS subjects.

Co-requisites: None

Exclusions: Not to count with MARE218

Subject Description: This subject provides an overview of volcanology, marine sediments, sedimentary environments and fossils using local field examples as a teaching platform. Topics include: styles and mechanisms of volcanic eruptions; distribution and characteristic features of erupted volcanic products; clastic high and low-energy shelf sediments; evaporates; reefs and cool water carbonates; deep ocean sediments; marine transport mechanisms; major marine invertebrate groups and their fossil records; palaeoecology; and application of stable isotopes in marine environments.

EESC202 Soils, Landscapes and Hydrology

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 6

Pre-requisites: 12 credit points of 100-level EESC or GEOS subjects.

Co-requisites: None

Exclusions: Not to count with GEOS214

Subject Description: The interdependence of landform, hydrology and soil, together with time and place, are the major factors influencing landscape evolution. This subject examines denudation of highlands; survival of ancient landscapes; climatic and geomorphic controls on landforms; erosion;

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

weathering processes and the formation of soils, desert dunes, laterites, silcretes and calcretes; soil surveying; environmental records of lakes; groundwater and surface-water processes and chemistry; dating of land-surfaces and groundwater; the hydrological cycle.

EESC203 Biogeography and Environmental Change

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points of 100-level EESC or GEOS subjects.

Co-requisites: None

Exclusions: Not to count with GEOS222

Subject Description: The present environment of Australia is the legacy of interactions between geological, biological and hydrological processes and human impacts. This subject links the biogeographical study of the distribution of plants and animals and their interaction with the physical environment to long-term environmental change. Set within the context of long-term geological and climate change, topics include: the origins of Australian flora and fauna, the impact of long-term climatic change, anthropogenic effects on biota, and the impact of fire. Modern techniques used to reconstruct ecosystems and climates, map vegetation and human impact, and to analyse vegetation data are presented.

EESC204 Introductory Spatial Science

Spring Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Exclusions: Not to count with EESC213 or EESC914

Subject Description: This subject aims to provide students with a comprehensive introduction to the theory and practice of dealing with geospatial technologies, collectively termed 'spatial science'. Spatial science draws upon concepts, tools and skills from several other related disciplines (primarily geography, cartography and computer science) and technologies (GIS, remote sensing, GPS). In essence, spatial science is concerned with all aspects of dealing with spatially referenced data (that is, data for which the location of a feature or phenomenon is important and is known). This includes identifying the nature and location of features (geodetics, global positioning, remote sensing), and representing those features on maps (cartography) that are stored in a computer information system (GIS). It also encompasses exploring where the features are located in relation to each other and other features (spatial analysis, geostatistics, geo-visualisation), and what this means for issues in the real world.

EESC205 Population Studies

Autumn Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points of 100-level EESC or GEOS subjects.

Co-requisites: None

Exclusions: Not to count with GEOS349 or EESC212

Subject Description: This subject is designed to introduce students to a range of demographic issues that are globally, nationally and regionally/locally significant. The lecture content is designed to enable students to

critically study how geographers analyse population issues and how this analysis overlaps with other disciplines. The objective is that students will learn skills in handling data, critical thinking, group work and presentation skills.

EESC206 Discovering Downunder: A Geography of Australia

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points of any 100-level subjects

Co-requisites: None

Exclusions: Not to count with GEOS233 or EESC214

Subject Description: This is a broad yet coherent overview of the physical and human environments of contemporary Australia. How did Uluru and the Great Barrier Reef form? Why is Sydney particularly vulnerable to bushfires? Which is the most multicultural Australian city? Where is the Back of Bourke? Within individual topics we emphasise the importance of spatial and temporal scale, interactions between people and the environment, and key research questions. Topics include landforms; climate; vegetation; coasts; rivers and deserts; indigenous Australia; population; industry and agriculture; cities, suburbs and rural settlement; and interactions with Australia's near neighbours.

EESC208 Environmental Impact of Societies

Spring Wollongong On Campus

Credit Points: 6

Pre-requisites: 12 credit points of any 100-level subjects

Co-requisites: None

Exclusions: Not to count with GEOS231 or EESC215

Subject Description: Humans have been transforming the Earth for many thousands of years. This subject provides an overview of those long term impacts as a context for better understanding contemporary environmental concerns. Topics include: global environmental issues, atmospheric and aquatic pollution, the biological ramifications of contamination and post-European impacts in Australia (vegetation changes, species extinction, land clearance, salinity). The environmental impacts of mining and of cities and urban expansion will be outlined. Students will be introduced to the practical techniques of Environmental Impact Assessment.

EESC210 Social Spaces: Rural and Urban

Spring Wollongong On Campus

Spring Bega On Campus

Spring Shoalhaven On Campus

Spring Batemans Bay On Campus

Spring Moss Vale On Campus

Credit Points: 6

Pre-requisites: 12 credit points of any 100-level subjects

Co-requisites: None

Exclusions: Not to count with GEOS242, GEOS243, or EESC211

Subject Description: This subject examines the global and national processes that shape the social, economic and spatial characteristics of Australian cities and regions. Students will study issues such as urbanisation, economic restructuring, population dynamics, and urban and regional policy to explore how contemporary urban and rural landscapes have been formed and how they are being constantly reshaped. Recent examples, such as dairy industry restructuring and the development of Sydney, will be used to make

connections between these broader influences and specific aspects of Australian urban and rural life. Through workshops and assignments, students will develop practical skills and knowledge in areas such as media analysis and the use of census and other data sources.

EESC211 Rural and Urban Social Geography

Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus

Credit Points: 8

Pre-requisites: Normally EESC104 or 6 credit points of 100-level Sociology

Co-requisites: None

Exclusions: Not to count with GEOS242, GEOS243, or EESC210

Subject Description: This subject examines the global and national processes that shape the social, economic and spatial characteristics of Australian cities and regions. Students will study issues such as urbanisation, economic restructuring, population dynamics, and urban and regional policy to explore how contemporary urban and rural landscapes have been formed and how they are being constantly reshaped. Recent examples, such as dairy industry restructuring and the development of Sydney, will be used to make connections between these broader influences and specific aspects of Australian urban and rural life. Through workshops and assignments, students will develop practical skills and knowledge in areas such as media analysis and the use of census and other data sources.

EESC212 Geographical Population Studies

Autumn	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 12 credit points of any 100-level subjects

Co-requisites: None

Exclusions: Not to count with EESC205 or GEOS349

Subject Description: This subject is designed to introduce students to a range of demographic issues that are globally, nationally and regionally/locally significant. The lecture content is designed to enable students to critically study how geographers analyse population issues and how this analysis overlaps with other disciplines. The objective is that students will learn skills in handling data, critical thinking, group work and presentation skills.

EESC213 Introduction to Spatial Science

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 8

Pre-requisites: At least 30cp of 100-level subjects normally including EESC103 or GEOS112

Co-requisites: None

Exclusions: Not to count with EESC204 or EESC914

Subject Description: This subject provides a comprehensive introduction to the theory and practice of dealing with geospatial technologies, collectively termed 'spatial science'. Spatial science draws upon concepts, tools and skills from several other related disciplines (primarily geography, cartography and computer science) and technologies (GIS, remote sensing, GPS). In essence, spatial science is concerned with all aspects of dealing with spatially referenced data (that is, data for which the

location of a feature or phenomenon is important and is known). This includes identifying the nature and location of features (geodetics, global positioning, remote sensing), and representing those features on maps (cartography) that are stored in a computer information system (GIS). It also explores spatial analysis, geostatistics, and geo-visualisation and their implications for the real world.

EESC214 Discovering Downunder: a Geography of Australia

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 12 credit points of any 100-level subjects

Co-requisites: None

Exclusions: Not to count with EESC206 or GEOS233

Subject Description: This is a broad yet coherent overview of the physical and human environments of contemporary Australia. Within individual topics we emphasise the importance of spatial and temporal scale, interactions between people and the environment, and key research questions. Topics include landforms, climate, vegetation, coasts, rivers and deserts, indigenous Australia, population, agriculture, urban settlements, and interactions with Australia's near neighbours.

EESC215 Environmental Impact of Societies

Spring	Wollongong	On Campus
--------	------------	-----------

Credit Points: 8

Pre-requisites: 12 credit points of any 100-level subjects

Co-requisites: None

Exclusions: Not to count with EESC208 or GEOS231

Subject Description: Humans have been transforming the Earth for many thousands of years. This subject provides an overview of those long term impacts as a context for better understanding contemporary environmental concerns. Topics include: global environmental issues, atmospheric and aquatic pollution, the biological ramifications of contamination and post-European impacts in Australia (vegetation changes, species extinction, land clearance, salinity).

EESC250 Field Geology

Summer 2007/2008	Wollongong	Flexible
------------------	------------	----------

Credit Points: 6

Pre-requisites: GEOS111 or EESC101, or satisfactory progress in EESC102

Co-requisites: None

Exclusions: Not to count with GEOS205 or GEOS301

Subject Description: The subject is taught and assessed on the basis of work completed during a 12 day field tutorial to view, describe and interpret well-exposed, coastal rock sequences on the south coast of New South Wales. A variety of techniques will be used for measurement of stratigraphic sections, description and interpretation of geological structures, detailed sedimentary and volcanic facies assessment, and the organisation and production of geological maps, field mapping exercises and reports.

EESC252 Geology for Engineers I

Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus

Credit Points: 6

Pre-requisites: None

Co-requisites: None

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science

Arts	Exclusions: Not to count for credit with: GEOS102, GEOS111, GEOS251, EESC101, or EESC102 Subject Description: This subject provides an introduction to geology applied to engineering. Topics include rock-forming minerals; petrology and physical properties of igneous, sedimentary and metamorphic rocks; weathering and erosion; basic geological structures and identification of unstable rock masses; geological mapping and three-point problems; geological controls on groundwater flow and chemistry; geophysics; site investigations; and the relationship between geology and various engineering works such as excavations, tunnels, dams and foundations.
Commerce	
Creative Arts	EESC260 Earth and Environmental Sciences Research Project Spring Wollongong On Campus Autumn Wollongong On Campus Credit Points: 6 Pre-requisites: 12 credit points of 100-Level EESC or GEOS subjects. Enrolment in BSc Adv (Hons) program. Co-requisites: None Exclusions: Not to count with GEOS292 Subject Description: This subject involves the study of specific research topics in the Earth and Environmental Sciences under the guidance of a member of staff. The study may include research assistance, directed reading, computer-based studies, and/or library assignments. Emphasis will be placed on the appropriate design and execution of field or laboratory experiments and/or studies involving the analysis and interpretation of data. Students will develop skills in the acquisition and presentation of data in verbal and written form.
Education	
Engineering	
Health & Behavioural Sciences	EESC300 Directed Studies in Earth and Environmental Sciences A Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: Restricted Entry. Admission by application to Head of School of Earth and Environmental Sciences. Co-requisites: None Exclusions: Not to count with GEOS381 Subject Description: This subject consists of directed reading, field and laboratory work (as required) and writing, leading to the production of a major research essay/project report or reports in a field selected by the student and approved by the Supervisor.
Informatics	
Law	EESC301 Plate Tectonics, Macrotopography and Earth History Autumn Wollongong On Campus Credit Points: 8 Pre-requisites: 12 cp of 200-level EESC or GEOS subjects, normally including either EESC201 or EESC202 Co-requisites: None Exclusions: Not to count with GEOS304 Subject Description: This subject outlines the theory of plate tectonics and evaluates its role as the dominant control of macrotopography on Earth. Large-scale long-term and short-term processes that control landforms and bathymetry are examined in relation to plate boundaries, ocean basins, continental margins, continental interiors and sedimentary basins. Earth structure is examined along with earthquakes and deformation (stress, strain, faulting and folding). Aspects of Earth history are considered in relation
Science	

to past mountain belts, continents and oceans. Practicals are a series of tutorials designed to reinforce the material covered in lectures. Field work consists of three field trips.

EESC302 Coastal Environments: Process and Management

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: 12 cps of 200-level

GEOS or EESC subjects

Co-requisites: None

Exclusions: Not to count with MARE323 or GEOS323

Subject Description: This subject examines sedimentary and ecological processes on the coast and explores coastal management issues in the context of these processes. Topics include the morphology, evolution and morphodynamics of coastal landforms, particularly beaches, estuaries, deltas, coastal barriers, dunes and coral reefs. The role of different wave regimes, tectonic processes, sea-level change and extreme events in shaping the coast is examined.

EESC303 Fluvial Geomorphology and Sedimentology

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: 18 cps of 200-level GEOS or EESC

subjects, normally including EESC201 and EESC202

Co-requisites: None

Exclusions: Not to count with GEOS321

Subject Description: Rivers play a dynamic role in shaping the Earth's landforms (geomorphology), constructing sedimentary sequences of economic importance (sedimentology), and presenting flood and erosion hazards, all of which greatly influence human use of the Earth's surface. This subject examines processes forming and modifying contemporary drainage basins, interprets fluvial sedimentary records and relates changes in these records to variations in climate and depositional environment. Particular attention is given to human modification and the management of river systems.

EESC304 Geographic Information Science

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: EESC204 or EESC213

Co-requisites: None

Exclusions: Not to count with GEOS339 or EESC904

Subject Description: This subject builds upon the concepts and software skills developed in EESC204 to develop your ability to act as an independent problem-solver, ready to use GIS either for further research or in a job setting. Over the semester, you will build this ability by working together as a class to complete a real-world GIS project from 'start to finish'. You will work in teams during lectures to design the project based on relevant examples from the academic literature. You will work independently in the practical sessions to carry out the analysis for the project. At the end of the semester, you will produce a report of project results in the form of an article for submission to a journal. For the final exam, you will describe a research plan for a GIS project in your own area of interest.

Arts	<p>Pre-requisites: None Co-requisites: None Exclusions: Not to count with EESC402, EESC404, or EESC405 Subject Description: Final-year Honours students are required to write a thesis of approximately 20,000–25,000 words on an approved topic embodying the results of a piece of supervised research and to participate in a seminar program.</p>	<p>EESC405 Earth and Environmental Sciences Honours Part 2 (Part-Time Students)</p> <p>Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: EESC404 Co-requisites: None Subject Description: Final-year Honours students are required to write a thesis of approximately 20–25,000 words on an approved topic embodying the results of a piece of supervised research and to participate in a seminar program.</p>
Commerce	<p>EESC402 Earth and Environmental Sciences Joint Honours</p> <p>Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: None Co-requisites: None Exclusions: Not to count with EESC401, EESC404, or EESC405 Subject Description: Students enrolling in this subject must: (1) have completed a program meeting the requirements for admission to Honours in Earth and Environmental Sciences and a cognate discipline; (2) write a thesis on a topic acceptable to and supervised by each academic unit; (3) complete such course work as shall be determined by the Chairperson of each academic unit.</p>	<p>ENVI391 Environmental Science</p> <p>Spring Wollongong On Campus Credit Points: 8 Pre-requisites: Enrolment in BSc (Environment) and completion of BIOL251, CHEM214 and (GEOS222 or EESC203). Co-requisites: None Exclusions: Not to be counted with ENVI491 Subject Description: This subject builds on the interdisciplinary knowledge gained through the first and second year BSc(Environment) program. Focus is on interactions between biological, chemical, geological and geographical factors and processes in major ecosystems including coral reefs, coasts, estuaries, rivers, lakes, alpine, forests, and grasslands. Existing and potential impacts that influence environmental management will also be investigated such as water and waste management, climate change, population growth, and social and political factors.</p>
Creative Arts		
Education	<p>EESC403 Geoinformatics Honours</p> <p>Annual Wollongong On Campus Credit Points: 36 Pre-requisites: Completion of 144cp of BComp Geoinformatics degree, with WAM greater than or equal to 67.5. Co-requisites: None Subject Description: The subject consists of a research project supervised by an academic in the School of Earth and Environmental Sciences or School of Information Technology and Computer Science, in the area of Geographic Information Systems analysis, spatial information technology or computer programming related to spatial analysis. The research project is presented as a thesis that is both internally and externally assessed. As much as possible projects will be linked to topics of interest to government, independent agencies or industry.</p>	
Engineering		
Health & Behavioural Sciences		
Informatics	<p>EESC404 Earth and Environmental Sciences Honours Part 1 (Part-Time Students)</p> <p>Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: None Co-requisites: None Exclusions: Not to count with EESC401 or EESC402 Subject Description: Final-year Honours students are required to write a thesis of approximately 20–25,000 words on an approved topic embodying the results of a piece of supervised research and to participate in a seminar program.</p>	<p>ENVI403 Research Report</p> <p>Annual Wollongong On Campus Spring2007/Autumn2008 Wollongong On Campus Credit Points: 24 Pre-requisites: Enrolled in final year of BEnvSc. Co-requisites: None Subject Description: A research project for an organisation involved with solving environmental problems will be allocated to candidates in consultation with the Environmental Science Coordinator.</p>
Law		
Science		<p>ENVI491 Environmental Science and Systems</p> <p>Spring Wollongong On Campus Credit Points: 8 Pre-requisites: Enrolment in BEnvSc and completion of BIOL251, CHEM214, (GEOS222 or EESC203) and (GEOS214 or EESC202) Co-requisites: None Exclusions: Not to be counted with ENVI391 Subject Description: This subject builds on the interdisciplinary knowledge gained through the first and second year BEnvSc program. Focus is on interactions between biological, chemical, geological and geographical factors and processes in major ecosystems including coral reefs, coasts, estuaries, rivers, lakes, alpine, forests, and grasslands. Existing and potential impacts that influence environmental management will also be investigated such as water and waste management, climate change, population growth, and social and political factors.</p>

MARE200 Introduction to Oceanography

Autumn Wollongong On Campus

Credit Points: 6**Pre-requisites:** BIOL104 and (CHEM102 or CHEM105) and (GEOS102 or GEOS112 or EESC102 or EESC103)**Co-requisites:** None

Subject Description: This subject forms a basic introduction to oceanography. Topics covered include physical attributes of oceans; circulation and currents; tides and waves; marine organisms and biodiversity; environmental controls on organisms; processes of transport and behaviour of organisms in their life cycles; food webs and nutrient cycling; chemistry of seawater; sources and sinks of chemicals; carbon and carbonate cycles, chemical reactions in seawater, chemical exchange with sediments, stable isotopes and climate change.

MARE300 Fisheries and Aquaculture

Spring Wollongong On Campus

Credit Points: 8**Pre-requisites:** STAT252 and (BIOL351 or BIOL355)**Co-requisites:** None

Subject Description: This subject will provide an overview of fisheries biology and aquaculture (vertebrate and invertebrate) including: the diversity of Australian and international fisheries and their key challenges; relevant ecological issues (population dynamics, transport processes, stock identification); predictive modelling, fisheries management; secondary impacts of fisheries; the diversity of aquaculture; case studies in aquaculture; ecological impacts, potential for enhancement of fisheries.

MARE357 Advances in Molluscan Biology

Summer 2007/2008 Wollongong On Campus

Credit Points: 8**Pre-requisites:** BIOL241 (or equivalent)**Co-requisites:** None

Subject Description: This subject will provide an overview of molluscan biology, diversity and phylogeny. It will also examine the role of molluscs in fisheries, aquaculture, as pests and as carriers of disease. Consideration will be given to these aspects of molluscan biology worldwide, but there will also be a focus on the largely endemic Australian fauna. Each of the major groups of molluscs will be examined, including polyplacophorans (chitons), bivalves (e.g. clams and oysters), gastropods (e.g. slugs and snails) and finally the cephalopods (including octopuses and squid). For each group, their conservation, ecology, biology and evolutionary relationships will be addressed, with important current issues and research directions highlighted. The course will provide training in field techniques, identification, lab studies including dissection and accessing resources. It will include the observation and collection of molluscs in a variety of habitats, including the rocky shore, estuarine and rainforest environments.

MARE393 Advanced Marine Science Project

Spring Wollongong On Campus

Summer 2007/2008 Wollongong On Campus

Autumn Wollongong On Campus

Credit Points: 8

Pre-requisites: Distinction average or higher performance in subjects pertinent to the intended area of research as approved by the Marine Science Coordinator

Co-requisites: None

Subject Description: One research project will be undertaken after consultation with academic staff. Students will attend and participate in a seminar/tutorial program in either the Department of Biological Sciences or the School of Earth and Environmental Sciences. Research may be a discrete component of a larger project in which the emphasis will be on solving a larger problem as part of a research team. Projects will focus on developing competence in a laboratory and/or field techniques. Intending students should consult the Coordinator before enrolment.

MARE401 Marine Science Honours

Annual Wollongong On Campus

Credit Points: 48**Pre-requisites:** Completion of 144 cps of BMarSc or equivalent**Co-requisites:** None

Subject Description: The subject consists of a research project supervised by an academic in one or more of the School of Biological Sciences or the School of Earth and Environmental Sciences in an area relating to marine biology and/or marine geosciences. The research project is presented as a thesis that is examined by three examiners and is both internally and externally assessed. As much as possible projects will be linked to the research strengths of the academic units and on topics relevant to developing concepts in marine biology and marine geosciences.

NANO101 Current Perspectives in Nanotechnology

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** None**Co-requisites:** None

Subject Description: The subject consists of a series of case studies from the main application areas of nanotechnology (electronics, micro- and nano-electromechanical systems; biomimetics; nanostructured materials) illustrating the reasons why the nano-dimension offers advantages. Each case study will provide an overview of the importance of design, synthesis and characterisation in the realisation of the end-products. Guest lectures, web resources and tours of nanotechnology laboratories will be a feature as will demonstrations of the synthesis and characterisation of nano-materials (eg. AFM and nano-manipulation).

NANO201 Research Topics in Nanotechnology

Spring Wollongong On Campus

Credit Points: 6**Pre-requisites:** NANO101**Co-requisites:** None

Subject Description: The subject consists of a series of case studies illustrating the development of understanding of materials behaviour at the nano-dimension; the methods for preparing nano-scale materials and the design, fabrication and testing of nano-devices. Emphasis in this subject is on the nanoscience and how the basic studies in chemistry, physics and materials provides the basis for understanding the current research in nanotechnology. A feature will be the laboratory demonstration of specific nano-phenomena (eg. tuned optical absorbance of nanoparticles).

	Arts
	Commerce
	Creative Arts
	Education
	Engineering
	Health & Behavioural Sciences
	Informatics
	Law
Science	

Arts	NANO301 Research Topics in Nanomaterials		
	Autumn	Wollongong	On Campus
	Spring	Wollongong	On Campus
	Summer 2007/2008	Wollongong	On Campus
Commerce	Credit Points: 8		
	Pre-requisites: NANO201		
	Co-requisites: None		
	Subject Description: Students will carry out a research project within a Materials based research group under the supervision of one or more members of staff. A list of possible projects will be provided and students will give a number of preferences. This includes work with the Intelligent Polymers Research Institute (IPRI) or the Institute for Superconducting and Electronic Materials (ISEM). The research is equivalent to about 120 hours lab time plus analysis, and report writing.		
Creative Arts	NANO401 Honours Project in Nanomaterials/Nanotechnology		
	Annual	Wollongong	On Campus
	Credit Points: 24		
	Pre-requisites: NANO301		
Education	Co-requisites: None		
	Subject Description: Students will carry out a research project within a Materials based research group under the supervision of one or more members of staff. A list of possible projects will be provided and students will give a number of preferences. Students write a major thesis based on their work that is examined by two independent examiners.		
	SCIE101 Modern Perspectives in Science		
	Spring	Wollongong	Flexible
Engineering	Spring	Loftus	Flexible
	Credit Points: 6		
	Pre-requisites: None		
	Co-requisites: None		
Health & Behavioural Sciences	Exclusions: Not to count with SCIE102 or PHYS295		
	Subject Description: This subject aims to address some of the major topical issues in modern science and their impact on our society as well as demonstrating the value of a cross-disciplinary approach to problem solving. The content is presented in four modules from Physics, Chemistry, Biology and Earth and Environmental Sciences. The topics are: Planetology, Smart Chemistry, Genetic Engineering, and How long? How hot?. Each of the four modules provides examples of areas of science that are currently of widespread interest or importance. The way in which science has been used to solve technological and human problems will be illustrated in each module. The fourth module includes a section on global warming. To demonstrate the need for a collaborative approach when solving major issues, the same problem will be studied from the viewpoint of different disciplines. These modules are examples of current research topics and modules may be interchanged to reflect contemporary topics.		
	SCIE102 International Perspectives in Science		
	Spring	Wollongong	Flexible
Informatics	Credit Points: 6		
	Pre-requisites: Entry restricted to BSc International (Hons) candidates		
	Co-requisites: None		
	Exclusions: Not to count with SCIE101 (Modern Perspectives in Science)		
Law	Subject Description: This subject is part of the 'Global Science Studies' component of the International Bachelor of Science degree and addresses some of the major topical issues in modern science in the international arena and their impact on our society. It focuses on the importance of a cross-disciplinary approach to problem-solving. The content is presented in four modules; one each from Chemistry, Physics, the Biological Sciences, and the Earth and Environmental Sciences. Each of the modules provides examples of areas of science that are currently of international interest and importance. The way in which science has been used to solve technological and human problems will be the focus of the first three modules. The fourth (Earth and Environmental Sciences) module integrates the other discipline areas by focussing on the debates surrounding the causes, magnitudes and potential impacts of global warming.		
	SCIE122 Biology For Nursing		
	Spring	Bega	On Campus
	Spring	Wollongong	On Campus
Science	Credit Points: 6		
	Pre-requisites: None		
	Co-requisites: None		
	Exclusions: Not to count with BIOL 103		
	Subject Description: Provides an introduction to biological structure and function at the biochemical, genetic, cellular, and tissue levels, and how interactions between these levels of organisation vary during health and disease. Examines the interactions between micro-organisms of medical relevance and their hosts.		
	SCIE202 Bioethical Challenges: A Global Perspective		
	Spring	Wollongong	Flexible
	Credit Points: 6		
	Pre-requisites: Entry restricted to BSc International (Hons) candidates		
	Co-requisites: None		
	Subject Description: This subject is part of the 'Global Science Studies' component of the International Bachelor of Science degree and will be run by the University of Colorado (Boulder).		
	SCIE292 Science Research Internship		
	Autumn	Wollongong	On Campus
	Spring	Wollongong	On Campus
	Summer 2007/2008	Wollongong	On Campus
	Annual	Wollongong	On Campus
	Credit Points: 6		
	Pre-requisites: 24 credit points of Science Schedule subjects, completed at a Credit level or better, and completion of 48 credit points		
	Co-requisites: None		
	Exclusions: Not to count with SCIE392		
	Subject Description: This internship subject will provide students who have an interest in research with the opportunity to learn how research is done by working alongside researchers in an active research group. Emphasis will be on Occupational Health and Safety management and risk assessment, learning practical skills in the selected discipline, working as part of a		

team, achieving research objectives in laboratory or field work, accurately recording methods and results, and critically evaluating the research methods of others.

SCIE301 Directed Studies in Science

Autumn Wollongong On Campus

Spring Wollongong On Campus

Credit Points: 8

Pre-requisites: Admission with approval of subject co-ordinator

Co-requisites: None

Subject Description: The subject deals with topics in Science that are at the cutting edge of research and are interdisciplinary in nature. These topics are tailored each year to the interests and background of participants in the study group. For example, topics may include nanotechnology, intelligent polymer applications, the ethics of genetic modification of plants and animals, the ethics of human cloning, the causes of modern climate change, or wildfire management in Australia.

SCIE392 Science Research Internship B

Autumn Wollongong On Campus

Spring Wollongong On Campus

Summer 2007/2008 Wollongong On Campus

Annual Wollongong On Campus

Credit Points: 8

Pre-requisites: 24 credit points of 200-level Science Schedule subjects, completed at a Credit level or better, and completion of 96 credit points

Co-requisites: None

Exclusions: Not to count with SCIE292

Subject Description: The subject content is the same as SCIE292 but with an increased workload commensurate with 8 cp. The internship will provide students who have an interest in research with the opportunity to learn how research is done, by allowing them to work alongside practicing researchers. Emphasis will be on Occupational Health and Safety management and risk assessment, learning practical skills in the selected discipline, working as part of a team, achieving research objectives in laboratory or field work, accurately recording methods and results, critically evaluating the research methods of others, and reporting those results in an academic manner.

Arts
Commerce
Creative Arts
Education
Engineering
Health & Behavioural Sciences
Informatics
Law
Science